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REMOVAL SUPPORT TEAM 3  
EPA CONTRACT EP-S2-14-01

January 8, 2018

Mr. Joel Petty and Mr. Keith Glenn, On-Scene Coordinator  
U.S. Environmental Protection Agency, Region II  
Removal Action Branch  
2890 Woodbridge Avenue  
Edison, New Jersey 08837

**EPA CONTRACT NO: EP-S2-14-01**

**TDD No: TO-0010-0044**

**DC No: RST3-04-F-0070**

**SUBJECT: FINAL REMOVAL ASSESSMENT REPORT, REVISION 1  
DEFERIET PAPER MILL SITE,  
DEFERIET, JEFFERSON COUNTY, NEW YORK**

Dear Mr. Petty and Mr. Glenn,

Enclosed please find the Final Removal Assessment Report, Revision 1 for the Removal Assessment conducted at the Deferiet Paper Mill Site located in Deferiet, Jefferson County, New York. This report summarizes the asbestos, drum, and soil sampling activities performed at the Site in June 2017. The comments made by EPA to the final version (DCN: RST3-03-F-0060) of this report have been incorporated.

If you have any questions or comments, please contact me at (732) 585-4441.

Sincerely,

WESTON SOLUTIONS, INC.

A handwritten signature in black ink, appearing to read "Mark B." followed by a cursive signature.

For: Bryan Gonzalez  
RST 3 Site Project Manager

Enclosure  
cc: TDD File: TO-0010-0044

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In association with Scientific and Environmental Associates, Inc.,  
Environmental Compliance Consultants, Inc., Avatar Environmental, LLC,  
On-Site Environmental, Inc., and Sovereign Consulting, Inc.

# **FINAL REMOVAL ASSESSMENT REPORT, REVISION 1**

## **DEFERIET PAPER MILL SITE** Deferiet, Jefferson County, New York

DC No: RST3-04-F-0070  
TDD No: TO-0010-0044  
EPA CONTRACT No: EP-S2-14-01

Prepared for:

U.S. Environmental Protection Agency  
Region II – Removal Action Branch  
2890 Woodbridge Avenue  
Edison, New Jersey 08837

Prepared by:

Removal Support Team 3  
Weston Solutions, Inc.  
Federal East Division  
Edison, New Jersey 08837

January 2018

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## **1.0 INTRODUCTION**

A Removal Assessment was performed at the Deferiet Paper Mill Site (the Site) on June 6 and 7, June 19 through 21, and July 27, 2017. The Removal Assessment activities were conducted in two phases. Phase one was conducted on June 6 and 7, 2017, and consisted of a site inspection and bulk suspect asbestos containing material (SACM) sampling. Phase two was conducted on June 19 through 21, and July 27, 2017, and consisted of inventory, Hazard Category (HazCat) field screening and sampling of abandoned containers, and soil sampling.

### **1.1 Site Location and Description**

The Site is located at 400 Anderson Avenue in Deferiet, Jefferson County, New York, which has a population of approximately 300.

Refer to Attachment A, Figure 1: Site Location Map and Figure 2: Site Layout Map.

### **1.2 Site History and Background**

The Site is the location of the former Deferiet Paper Mill that began operations in 1899. As of today the facility is no longer operational however, there is an operating hydroelectric power plant owned by Brookfield Renewable Power, LLC (Brookfield) that is physically attached to the boiler room and sulfite room of the Site. The hydroelectric power-plant is located towards the rear of the site.

The facility encompasses approximately 48 acres with a series of buildings that housed the former paper mill and a hydroelectric power plant. The original mill manufactured paper of varying types, including newsprint and glossy magazine paper. The hydroelectric power plant was built by the mill to generate steam which supplied electrical power for the machinery as well as the facilities. The paper mill has been abandoned since the mid-1980s, and with the exception of the power plant, is in a severe state of disrepair.

In 2006, the property was auctioned off as a result of then owners filing bankruptcy. Deferiet Development, LLC (Deferiet) purchased the Site for the purpose of recovering steel, brass and other metals. In the process of recovering metal, Deferiet also dismantled overhead steam pipes between the machine rooms and boiler room. These two buildings flank the easement. Brookfield employees were concerned because of potential exposure to friable asbestos whenever they accessed the easement. Brookfield raised their employees concerns to Jefferson County officials. An attorney representing Jefferson County on environmental matters referred the Site to the U.S. Environmental Protection Agency (EPA). In December 2015, Jefferson County requested the assistance of EPA to evaluate an easement associated with the former Deferiet Paper Mill for SACM. The easement was used by personnel to access the Brookfield Renewable Power Facility. In March 2016, EPA initiated an Emergency Response (ER) to address immediate asbestos concerns originating from the Site. Following the completion of the ER, a Removal Assessment was recommended to evaluate the existing structures and the presence of SACM.

## **2.0 SCOPE OF WORK**

The field activities conducted as part of the Removal Assessment of the Site were conducted in two phases. During the first phase conducted on June 6 and 7, 2017, Weston Solutions, Inc., Removal Support Team 3 (RST 3) conducted a survey of the property to identify SACM and collected 30 bulk samples consisting of SACM from several areas of concern (AOCs) at the Site. In addition, several abandoned containers were identified throughout the Site during the Site survey. Based on observations from the first phase, a second phase of field activities was conducted on June 19 through 21, and July 27, 2017. Field activities conducted on June 19 through 21 consisted of a container inventory of select on-site containers and HazCat field screening of the contents in containers identified during the inventory. Based on the results from the HazCat field screening, waste samples were collected for laboratory analysis from select containers determined by the EPA On-Scene Coordinator (OSC). Additional field activities conducted on July 27 consisted of collecting soil samples from a former drainage ditch which traversed the former fire house and company garage buildings. The analytical results from the Removal Assessment will be used to determine if conditions at the Site warrant a Removal Action.

Refer to Attachment D: Photographic Documentation Log.

### **2.1 Screening / Monitoring and Sampling Methodology**

#### ***SACM Samples:***

Bulk SACM sampling was conducted in accordance with guidelines outlined in EPA's Environmental Response Team (ERT)/ Scientific, Engineering, Response and Analytical Services (SERAS) contractor's Standard Operating Procedure (SOP) Number (No.) 2001: *General Field Sampling Guidelines* and EPA's ERT/SERAS SOP No. 2015: *Asbestos Sampling*. Bulk samples consisting of SACM were collected from 30 locations selected by the EPA OSC, including in the turbine room, boiler room, HR building, administration buildings, storage building, machine room, wet/beater room, sulfite room, and areas outside the wet/beater room. The sample areas were sprayed down with a surfactant prior to sample extraction to minimize airborne emissions of SACM. All bulk SACM samples were placed into polyethylene bags after collection.

Refer to Attachment A, Figure 3: Bulk SACM Results Map.

#### ***Container Inventory and HazCat:***

Inventory information including the container type, size, condition, approximate volume, headspace readings, content description, and label information was recorded for 110 containers identified by the EPA OSC. Headspace readings for volatile organic compounds (VOCs) were obtained using a MultiRAE air monitor. All inventory information was recorded in a site-specific database. Following the collection of inventory information, samples were collected for HazCat field screening from 82 of the 110 containers in accordance with guidelines outlined in EPA's ERT/SERAS SOP No. 2009: *Drum*

*Sampling.* Restrictions due to limited container volume and access prevented RST 3 from collecting samples for HazCat field screening from 28 of the selected containers. Samples collected for HazCat field screening were tested for water solubility, xylene solubility, air reactivity, water reactivity, pH, oxidizers, peroxides, flammability, chlorides, cyanide (CN), and sulfides using HazCat field screening methodologies.

Refer to Attachment A, Figure 4: Container Locations – Company Garage and Former Fire Department and Figure 5: Container Locations Map – Boiler Room and Turbine Room, and Attachment B, Table 15: Container Inventory Table.

***Waste Samples:***

Waste sampling was conducted by RST 3 in accordance with guidelines outlined in EPA's ERT/SERAS SOP No. 2001 and EPA's ERT/SERAS SOP No. 2009. Waste samples were collected as grab samples from 28 separate containers, including drums and above ground storage tanks (ASTs) located throughout the Site. The samples were collected using dedicated disposable coliwosas and bailers and were transferred into the sample containers designated for each required analysis. Seven waste samples were collected for Resource Conservation and Recovery Act (RCRA) characteristic, target compound list (TCL) VOC, TCL semivolatile organic compound (SVOC), TCL pesticide, TCL polychlorinated biphenyl (PCB), and target analyte list (TAL) metal including mercury (Hg) and CN analyses. Additional waste samples collected for select analyses included: five samples for RCRA characteristic analysis; four samples for TCL VOC and TCL SVOC analyses; three samples for TAL metal including Hg and CN analysis; one sample for TCL PCB analysis; one sample for RCRA characteristic and TAL metal including Hg and CN analyses; one sample for RCRA characteristic and TCL PCB analyses, and one sample for TCL VOC, TCL SVOC, and RCRA characteristic analyses.

***Soil Samples:***

Soil sampling was conducted by RST 3 in accordance with EPA's ERT/SERAS SOP No. 2012: *Soil Sampling.* Soil samples were collected from the surface of a former drainage ditch which traverses the former fire house and company garage buildings at locations determined by the EPA OSC. A total of six soil samples including one quality assurance/quality control (QA/QC) sample were collected for TCL VOC, percent moisture, TCL SVOC, TCL PCB, TCL pesticide, TAL metal including Hg, and Total CN analyses. Soil samples designated for TCL VOC analysis were collected using Encore<sup>TM</sup> samplers. Soil samples designated for percent moisture, TCL SVOC, TCL PCB, TCL pesticide, TAL metal including Hg, and Total CN analyses were extracted using dedicated plastic scoops and transferred into dedicated re-sealable polyethylene bags. Each sample was thoroughly homogenized in the re-sealable polyethylene bags and transferred into the sample containers designated for each required analysis. Fresh nitrile gloves were donned prior to collecting each sample. Samples were stored on ice to maintain a temperature of 4 degrees Celsius (°C). Refer to Attachment B, Table 1: Sample Collection Summary Table

## 2.2 Laboratories Receiving Samples

Sample Matrix	Analyses	Laboratory
SACM	Asbestos PLM/TEM	EMSL Analytical, Inc. 200 Route 130 Cinnaminson, NJ 08077
Liquid and Solid Waste	RCRA Characteristics, TCL VOCs, TCL SVOCs, TCL PCBs, TCL Pesticides, and TAL Metals + Hg and CN	ALS Environmental 34 Dogwood Lane Middletown, PA 17057
Soil	TCL VOCs, Percent Moisture, TCL SVOCs, TCL PCBs, TCL Pesticides, TAL Metals + Hg, and Total CN	(CLP Laboratory) Chemtech Consulting Group 284 Sheffield Street Mountainside, NJ 07092

SACM = Suspect Asbestos Containing Material

TCL = Target Compound List

PLM = Polar Light Microscopy

RCRA = Resource Conservation and Recovery Act

TEM = Transmission Electron Microscopy

VOCs = Volatile Organic Compounds

PCBs = Polychlorinated Biphenyls

SVOCs = Semivolatile Organic Compounds

TAL = Target Analyte List

Hg = Mercury

CN = Cyanide

CLP – Contract Laboratory Program

## 2.3 Sample Collection and Dispatch

On June 7, 2017, 30 bulk SACM samples for asbestos PLM/TEM analyses were picked up by a lab courier from EMSL Analytical located in Cinnaminson, New Jersey under Chain of Custody (COC) Record No. 2-060917-095105-0001.

On June 23, 2017, seven waste samples for RCRA characteristic, TCL VOC, TCL SVOC, TCL pesticide, TCL PCB, and TAL Metal including Hg and CN analyses; five waste samples for RCRA characteristic analysis; four waste samples for TCL VOC and TCL SVOC analyses; three waste samples for TAL Metal including Hg and CN analysis; one waste sample for TCL PCB analysis; one waste sample for RCRA Characteristic and TAL Metal including Hg and CN analysis; one waste sample for RCRA Characteristic and TCL PCB analysis; and one waste sample for TCL VOC, TCL SVOC, and RCRA Characteristic analysis were picked up by a courier from ALS Environmental located in Middletown, Pennsylvania under COC Record No. 2-062117-221035-0002.

On July 28, 2017, six soil samples including one field duplicate were hand-delivered to the Contract Laboratory Program (CLP) laboratory Chemtech Consulting Group for TCL VOC, percent moisture, TCL SVOC, TCL PCB, TCL Pesticide, TAL metal including Hg, and Total CN analyses under COC Record No. 2-072717-162235-0003 and 2-072817-091608-0004.

Refer to Attachment C: Chain of Custody Records.

## 2.4 On-Site Personnel

Name	Affiliation	Duties On-Site
Joel Petty	EPA, Region II	On-Scene Coordinator
Keith Glenn	EPA, Region II	On-Scene Coordinator
Michael Beuthe	Weston Solutions, Inc. RST 3	Site Project Manager, Site H&S, Site QA/QC, Sample Collection/Management
Joel Siegel	Weston Solutions, Inc. RST 3	HazCat, Sample Collection
Kathryn Donohue	Weston Solutions, Inc. RST 3	HazCat, Sample Collection/Management
Michael Garibaldi	Weston Solutions, Inc. RST 3	Sample Collection
Bryan Gonzalez	Weston Solutions, Inc. RST 3	Sample Collection/Management

EPA = U.S. Environmental Protection Agency

H&S = Health and Safety

HazCat = Hazard Categorization

RST 3 = Removal Support Team 3

QA/QC = Quality Control/Quality Assurance

## 3.0 SCREENING / MONITORING RESULTS SUMMARY

For HazCat screening results, refer to Attachment B, Table 14: HazCat Field Screening Results Table.

## 4.0 ANALYTICAL RESULTS SUMMARY

For SACM ,container, and soil sample results, refer to Attachment B, Table 2: Analytical Results Summary Table – Asbestos, Table 3: Liquid and Solid Waste Analytical Results Summary Table – TCL VOCs, Table 4: Liquid and Solid Waste Analytical Results Summary Table – TCL SVOCs, Table 5: Liquid and Solid Waste Analytical Results Summary Table – TCL PCBs, Table 6: Liquid and Solid Waste Analytical Results Summary Table – TCL Pesticides, Table 7: Liquid and Solid Waste Analytical Results Summary Table – TAL Metals + Hg and CN, Table 8: Liquid and Solid Waste Analytical Results Summary Table – RCRA Characteristics, Table 9: Soil Validated Analytical Results Summary Table –TCL VOCs, Table 10: Soil Validated Analytical Results Summary Table – TCL SVOCs. Table 11: Soil Validated Analytical Results Summary Table – TCL PCBs, Table 12: Soil Validated Analytical Results Summary Table – TCL Pesticides, Table 13: Soil Validated Analytical Results Summary Table – TAL Metals + Hg, and Total CN, and Attachment E: Analytical Data Packages.

*Deferiet Paper Mill Site*  
*Final Removal Assessment Report, Revision 1*  
*January 2018*

**Report prepared by:** Kathryn Donohue  
Kathryn Donohue  
RST 3 Team Member

1/8/2018  
Date

**Report reviewed by:** M.J.B.  
Michael Beuthe, CHMM  
RST 3 Group Leader

1/8/2018  
Date

## **ATTACHMENT A**

Figure 1: Site Location Map

Figure 2: Site Layout Map

Figure 3: Bulk SACM Results Map

Figure 4: Container Locations – Company Garage and Former Fire Department

Figure 5: Container Locations – Boiler Room and Turbine Room



Bagram Rd

*Fort Drum Military Reservation*

Munns Corner Rd

Munns Corner Rd

ASP Rd

**Deferiet Paper Mill**  
Deferiet, New York 13628

SL

3A

37

**Deferiet**

Herrings

Jackson II Rd

Mosher Rd

26

bing

© 2017 HERE © AND © 2017 Microsoft Corporation

### Legend

Site Location



0 0.175 0.35 0.7 1.05 1.4  
Miles



**Weston Solutions, Inc.**  
East Division

In Association With  
Scientific and Environmental Associates, Inc.,  
Environmental Compliance Consultants, Inc.,  
Avatar Environmental, LLC, On-Site Environmental,  
Inc. and Sovereign Consulting, Inc.

### Figure 1: Site Location Map

Deferiet Paper Mill Site  
Deferiet, New York

U.S. ENVIRONMENTAL PROTECTION AGENCY  
REMOVAL SUPPORT TEAM 3  
CONTRACT # EP-S2-14-01

GIS ANALYST:	M. Beuthe
EPA OSC:	K. Glenn
RST SPM:	M. Beuthe
FILENAME:	20170531_SITELOCATIONMAP.MXD

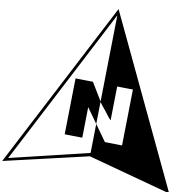
DATE MODIFIED: 5/31/2017



SCALE  
1:1,500

#### LEGEND

- Site Locations
- Easement Area



**FIGURE 2:**  
**Site Layout Map**

Deferiet Paper Mill Site  
Deferiet, NY

UNITED STATES ENVIRONMENTAL  
PROTECTION AGENCY  
REMOVAL SUPPORT TEAM 3  
CONTRACT # EP-S2-14-01

Weston Solutions, Inc.

In Association With  
Scientific and Environmental Associates, Inc.,  
Environmental Compliance Consultants, Inc.,  
Avatar Environmental, LLC, On-Site Environmental,  
Inc., and Sovereign Consulting, Inc.

GIS ANALYST:	M. BEUTHE
EPA OSC:	K. GLENN
RST 2 SPM:	M. BEUTHE
FILENAME:	20170628_SITELAYOUTMAPMXD
FIGURE:	2
REVISION:	0
DATE MODIFIED:	6/28/2017

**WESTON**  
SOLUTIONS



SCALE  
1:1,100

#### LEGEND

- Site Locations
- Easement Area
- SACM Samples  
Collected from the First Floor  
and Ground Level -  
No Asbestos Detected.
- SACM Samples Collected  
from the Second Floor -  
No Asbestos Detected
- SACM Samples  
Collected from the First Floor  
and Ground Level -  
Asbestos Detected.
- SACM Samples Collected  
from the Second Floor -  
Asbestos Detected

#### Notes

SACM -Suspect Asbestos  
Containing Material



**FIGURE 3:**  
**Bulk SACM Results Map**

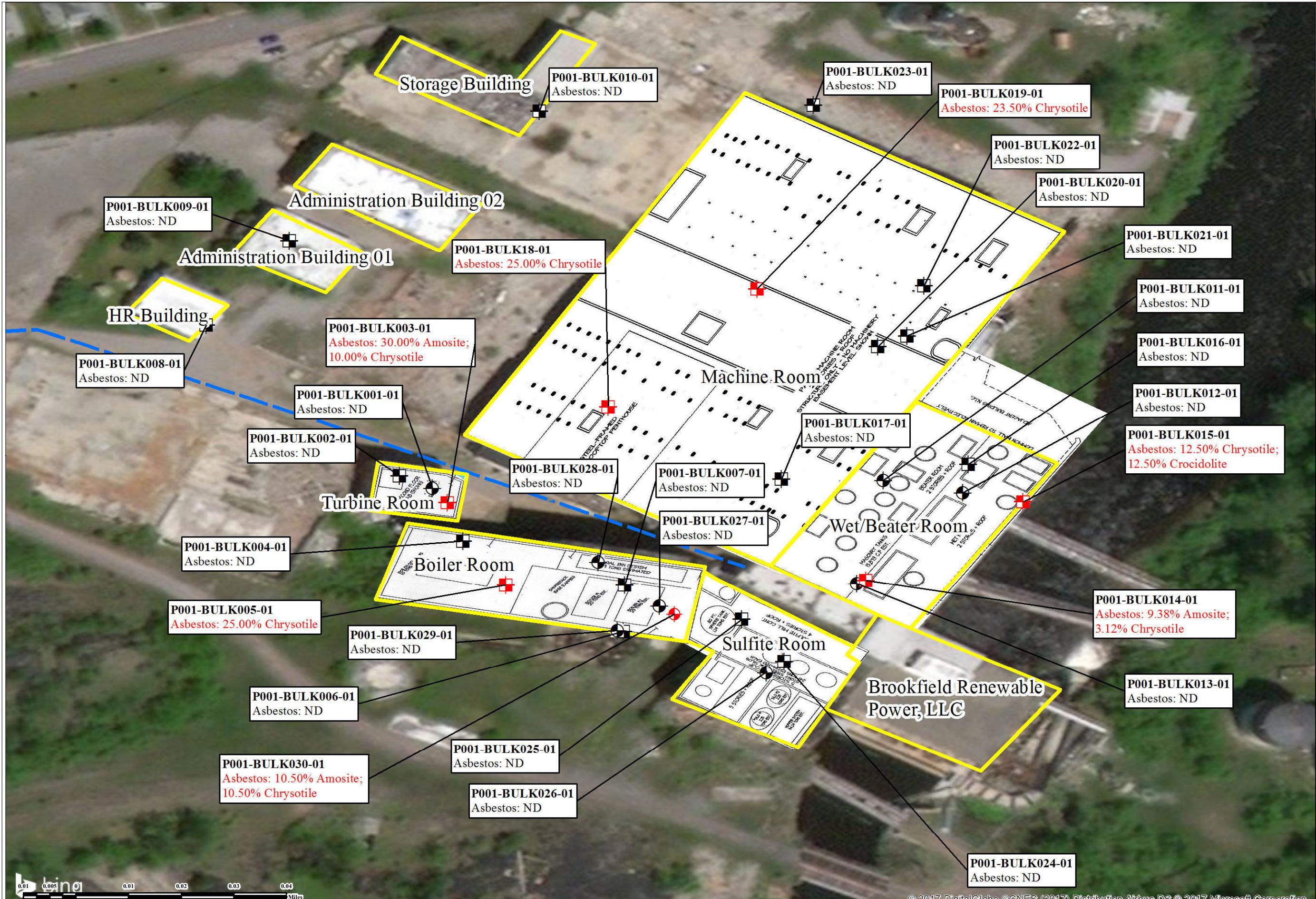
Deferiet Paper Mill Site  
Deferiet, NY

UNITED STATES ENVIRONMENTAL  
PROTECTION AGENCY  
REMOVAL SUPPORT TEAM 3  
CONTRACT # EP-S2-14-01

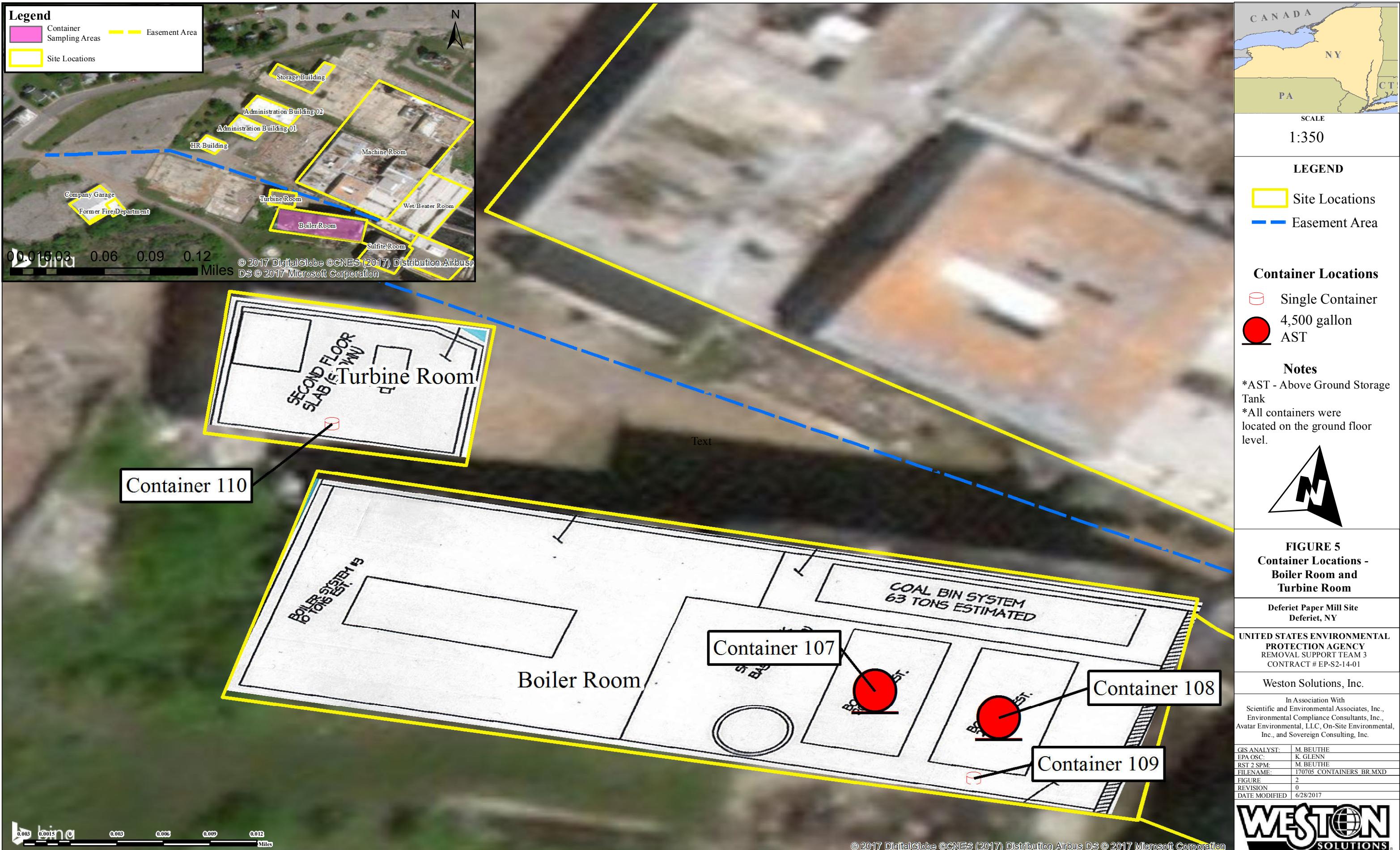
Weston Solutions, Inc.

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Environmental Compliance Consultants, Inc.,  
Avatar Environmental, LLC, On-Site Environmental,  
Inc., and Sovereign Consulting, Inc.

GIS ANALYST:	M. BEUTHIE
EPA OSC:	K. GLENN
RST 2 SPM:	M. BEUTHIE
FILENAME:	170628_SACMRESULTS.MXD
FIGURE:	2
REVISION:	0
DATE MODIFIED:	6/28/2017







## **ATTACHMENT B**

Table 1: Sample Collection Summary Table

Table 2: Analytical Results Summary Table – Asbestos

Table 3: Liquid and Solid Waste Analytical Results Summary Table – TCL VOCs

Table 4: Liquid and Solid Waste Analytical Results Summary Table – TCL SVOCs

Table 5: Liquid and Solid Waste Analytical Results Summary Table – TCL PCBs

Table 6: Liquid and Solid Waste Analytical Results Summary Table – TCL Pesticides

Table 7: Liquid and Solid Waste Analytical Results Summary Table – TAL Metals + Hg and CN

Table 8: Liquid and Solid Waste Analytical Results Summary Table – RCRA Characteristics

Table 9: Soil Validated Analytical Results Summary Table –TCL VOCs

Table 10: Soil Validated Analytical Results Summary Table –TCL SVOCs

Table 11: Soil Validated Analytical Results Summary Table –TCL PCBs

Table 12: Soil Validated Analytical Results Summary Table –TCL Pesticides

Table 13: Soil Validated Analytical Results Summary Table – TAL Metals + Hg, and Total CN

Table 14: HazCat Field Screening Results Table

Table 15: Container Inventory Table

**Table 1: Sample Collection Summary Table**  
**Deferiet Paper Mill Site**  
**Deferiet, Jefferson County, New York**  
**June 2017**

RST 3 Sample No.	CLP Sample No.	Sample Location	Sample Date	Sample Time	Sample Type	Matrix	Analyses
P001-BULK001-01	NA	P001-BULK001	6/7/2017	9:28	Field Sample	SACM	Asbestos PLM/TEM
P001-BULK002-01	NA	P001-BULK002	6/7/2017	9:28	Field Sample	SACM	Asbestos PLM/TEM
P001-BULK003-01	NA	P001-BULK003	6/7/2017	9:40	Field Sample	SACM	Asbestos PLM/TEM
P001-BULK004-01	NA	P001-BULK004	6/7/2017	10:10	Field Sample	SACM	Asbestos PLM/TEM
P001-BULK005-01	NA	P001-BULK005	6/7/2017	10:20	Field Sample	SACM	Asbestos PLM/TEM
P001-BULK006-01	NA	P001-BULK006	6/7/2017	10:22	Field Sample	SACM	Asbestos PLM/TEM
P001-BULK007-01	NA	P001-BULK007	6/7/2017	10:34	Field Sample	SACM	Asbestos PLM/TEM
P001-BULK008-01	NA	P001-BULK008	6/7/2017	10:51	Field Sample	SACM	Asbestos PLM/TEM
P001-BULK009-01	NA	P001-BULK009	6/7/2017	13:16	Field Sample	SACM	Asbestos PLM/TEM
P001-BULK010-01	NA	P001-BULK010	6/7/2017	13:32	Field Sample	SACM	Asbestos PLM/TEM
P001-BULK011-01	NA	P001-BULK011	6/7/2017	13:38	Field Sample	SACM	Asbestos PLM/TEM
P001-BULK012-01	NA	P001-BULK012	6/7/2017	13:43	Field Sample	SACM	Asbestos PLM/TEM
P001-BULK013-01	NA	P001-BULK013	6/7/2017	13:54	Field Sample	SACM	Asbestos PLM/TEM
P001-BULK014-01	NA	P001-BULK014	6/7/2017	14:07	Field Sample	SACM	Asbestos PLM/TEM
P001-BULK015-01	NA	P001-BULK015	6/7/2017	14:14	Field Sample	SACM	Asbestos PLM/TEM
P001-BULK016-01	NA	P001-BULK016	6/7/2017	14:20	Field Sample	SACM	Asbestos PLM/TEM
P001-BULK017-01	NA	P001-BULK017	6/7/2017	14:30	Field Sample	SACM	Asbestos PLM/TEM
P001-BULK018-01	NA	P001-BULK018	6/7/2017	14:34	Field Sample	SACM	Asbestos PLM/TEM
P001-BULK019-01	NA	P001-BULK019	6/7/2017	14:45	Field Sample	SACM	Asbestos PLM/TEM
P001-BULK020-01	NA	P001-BULK020	6/7/2017	14:50	Field Sample	SACM	Asbestos PLM/TEM

**Notes**

RST 3 - Removal Support Team 3

CLP - Contract Laboratory Program

SACM - Suspect Asbestos Containing Material

PLM - Polarized Light Microscopy

TEM - Transmission Electron Microscopy

RCRA - Resource Conservation and Recovery Act

TCL - Target Compound List

VOC - Volatile Organic Compound

SVOC - Semivolatile Organic Compound

PCB - Polychlorinated Biphenyl

TAL - Target Analyte List

Hg - Mercury

CN - Cyanide

TCLP - Toxicity Characteristic Leaching Procedure

NA - Not Applicable

No. - Number

**Table 1: Sample Collection Summary Table**  
**Deferiet Paper Mill Site**  
**Deferiet, Jefferson County, New York**  
**June 2017**

RST 3 Sample No.	CLP Sample No.	Sample Location	Sample Date	Sample Time	Sample Type	Matrix	Analyses
P001-BULK021-01	NA	P001-BULK021	6/7/2017	14:58	Field Sample	SACM	Asbestos PLM/TEM
P001-BULK022-01	NA	P001-BULK022	6/7/2017	15:20	Field Sample	SACM	Asbestos PLM/TEM
P001-BULK023-01	NA	P001-BULK023	6/7/2017	15:39	Field Sample	SACM	Asbestos PLM/TEM
P001-BULK024-01	NA	P001-BULK024	6/7/2017	16:22	Field Sample	SACM	Asbestos PLM/TEM
P001-BULK025-01	NA	P001-BULK025	6/7/2017	16:30	Field Sample	SACM	Asbestos PLM/TEM
P001-BULK026-01	NA	P001-BULK026	6/7/2017	16:32	Field Sample	SACM	Asbestos PLM/TEM
P001-BULK027-01	NA	P001-BULK027	6/7/2017	16:40	Field Sample	SACM	Asbestos PLM/TEM
P001-BULK028-01	NA	P001-BULK028	6/7/2017	16:48	Field Sample	SACM	Asbestos PLM/TEM
P001-BULK029-01	NA	P001-BULK029	6/7/2017	16:50	Field Sample	SACM	Asbestos PLM/TEM
P001-BULK030-01	NA	P001-BULK030	6/7/2017	17:05	Field Sample	SACM	Asbestos PLM/TEM
P001-LW-006	NA	P001-LW-006	6/21/2017	15:53	Field Sample	Liquid Waste	TCL VOCs, TCL SVOCs, TCL PCBs, TCL Pesticides, TAL Metals + Hg and CN, RCRA Characteristics
P001-LW-008	NA	P001-LW-008	6/21/2017	15:50	Field Sample	Liquid Waste	TCL VOCs, TCL SVOCs, TCL PCBs, TCL Pesticides, TAL Metals + Hg and CN, RCRA Characteristics
P001-LW-020	NA	P001-LW-020	6/21/2017	16:32	Field Sample	Liquid Waste	TCL VOCs, TCL SVOCs
P001-LW-021	NA	P001-LW-021	6/21/2017	15:16	Field Sample	Liquid Waste	TCL PCBs
P001-LW-026	NA	P001-LW-026	6/21/2017	15:17	Field Sample	Liquid Waste	RCRA Characteristics
P001-LW-028	NA	P001-LW-028	6/21/2017	15:07	Field Sample	Liquid Waste	TCL PCBs, RCRA Characteristics
P001-LW-029	NA	P001-LW-029	6/21/2017	15:10	Field Sample	Liquid Waste	RCRA Characteristics
P001-LW-031	NA	P001-LW-031	6/21/2017	15:33	Field Sample	Liquid Waste	TCL VOCs, TCL SVOCs, TCL PCBs, TCL Pesticides, TAL Metals + Hg and CN, RCRA Characteristics
P001-LW-034	NA	P001-LW-034	6/21/2017	15:14	Field Sample	Liquid Waste	RCRA Characteristics
P001-LW-040	NA	P001-LW-040	6/21/2017	15:45	Field Sample	Liquid Waste	TCL VOCs, TCL SVOCs, TCL PCBs, TCL Pesticides, TAL Metals + Hg and CN, RCRA Characteristics

**Notes**

RST 3 - Removal Support Team 3

CLP - Contract Laboratory Program

SACM - Suspect Asbestos Containing Material

PLM - Polarized Light Microscopy

TEM - Transmission Electron Microscopy

RCRA - Resource Conservation and Recovery Act

TCL - Target Compound List

VOC - Volatile Organic Compound

SVOC - Semivolatile Organic Compound

PCB - Polychlorinated Biphenyl

TAL - Target Analyte List

Hg - Mercury

CN - Cyanide

TCLP - Toxicity Characteristic Leaching Procedure

NA - Not Applicable

No. - Number

**Table 1: Sample Collection Summary Table**  
**Deferiet Paper Mill Site**  
**Deferiet, Jefferson County, New York**  
**June 2017**

RST 3 Sample No.	CLP Sample No.	Sample Location	Sample Date	Sample Time	Sample Type	Matrix	Analyses
P001-LW-043	NA	P001-LW-043	6/21/2017	15:23	Field Sample	Liquid Waste	TAL Metals + Hg and CN
P001-LW-045	NA	P001-LW-045	6/21/2017	15:40	Field Sample	Liquid Waste	TAL Metals + Hg and CN
P001-LW-046	NA	P001-LW-046	6/21/2017	16:42	Field Sample	Liquid Waste	TCL VOCs, TCL SVOCs
P001-LW-047	NA	P001-LW-047	6/21/2017	16:40	Field Sample	Liquid Waste	TCL VOCs, TCL SVOCs
P001-LW-049	NA	P001-LW-049	6/21/2017	15:30	Field Sample	Liquid Waste	TCL VOCs, TCL SVOCs, TCL PCBs, TCL Pesticides, TAL Metals + Hg and CN, RCRA Characteristics
P001-LW-055	NA	P001-LW-055	6/21/2017	15:48	Field Sample	Liquid Waste	TAL Metals + Hg and CN, RCRA Characteristics
P001-LW-056	NA	P001-LW-056	6/21/2017	15:25	Field Sample	Liquid Waste	TAL Metals + Hg and CN
P001-LW-057	NA	P001-LW-057	6/21/2017	16:36	Field Sample	Liquid Waste	TCL VOCs, TCL SVOCs, RCRA Characteristics
P001-LW-077	NA	P001-LW-077	6/21/2017	16:45	Field Sample	Liquid Waste	RCRA Characteristics
P001-LW-086	NA	P001-LW-086	6/21/2017	16:55	Field Sample	Liquid Waste	TCL VOCs, TCL SVOCs
P001-LW-107	NA	P001-LW-107	6/21/2017	18:02	Field Sample	Liquid Waste	RCRA Characteristics
P001-LW-108	NA	P001-LW-108	6/21/2017	17:40	Field Sample	Liquid Waste	TCL VOCs, TCL SVOCs, TCL PCBs, TCL Pesticides, TAL Metals + Hg and CN, RCRA Characteristics
P001-LW-109	NA	P001-LW-109	6/21/2017	17:55	Field Sample	Liquid Waste	TCL VOCs, TCL SVOCs, TCL PCBs, TCL Pesticides, TAL Metals + Hg and CN, RCRA Characteristics
P001-SS001-01	BC8B5	P001-SS001	7/27/2017	13:10	Field Sample	Soil	TCL VOCs, Percent Moisture, TCL SVOCs, TCL PCBs, TCL Pesticides, TAL Metals + Hg, Total CN
P001-SS002-01	BC8C0	P001-SS002	7/27/2017	13:42	Field Sample	Soil	TCL VOCs, Percent Moisture, TCL SVOCs, TCL PCBs, TCL Pesticides, TAL Metals + Hg, Total CN
P001-SS002-02	BC8C1	P001-SS002	7/27/2017	14:04	Field Duplicate	Soil	TCL VOCs, Percent Moisture, TCL SVOCs, TCL PCBs, TCL Pesticides, TAL Metals + Hg, Total CN
P001-SS003-01	BC8B9	P001-SS003	7/27/2017	14:50	Field Sample	Soil	TCL VOCs, Percent Moisture, TCL SVOCs, TCL PCBs, TCL Pesticides, TAL Metals + Hg, Total CN
P001-SS004-01	BC8B8	P001-SS004	7/27/2017	15:00	Field Sample	Soil	TCL VOCs, Percent Moisture, TCL SVOCs, TCL PCBs, TCL Pesticides, TAL Metals + Hg, Total CN
P001-SS005-01	BC8B7	P001-SS005	7/27/2017	15:15	Field Sample	Soil	TCL VOCs, Percent Moisture, TCL SVOCs, TCL PCBs, TCL Pesticides, TAL Metals + Hg, Total CN

**Notes**

RST 3 - Removal Support Team 3

CLP - Contract Laboratory Program

SACM - Suspect Asbestos Containing Material

PLM - Polarized Light Microscopy

TEM - Transmission Electron Microscopy

RCRA - Resource Conservation and Recovery Act

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PCB - Polychlorinated Biphenyl

TAL - Target Analyte List

Hg - Mercury

CN - Cyanide

TCLP - Toxicity Characteristic Leaching Procedure

NA - Not Applicable

No. - Number

**Table 2: Analytical Results Summary Table - Asbestos  
Deferiet Paper Mill Site  
Deferiet, Jefferson County, New York  
June 7, 2017**

RST 3 Sample Number	P001-BULK001-01	P001-BULK002-01	P001-BULK003-01	P001-BULK004-01	P001-BULK005-01
Material Description	Insulation	Insulation	Insulation	Insulation	Insulation
Location	Turbine Room	Turbine Room	Turbine Room	Boiler Room	Boiler Room
Sub-Location	Second Floor	First Floor	First Floor	First Floor	First Floor
Sampling Date	6/7/2017	6/7/2017	6/7/2017	6/7/2017	6/7/2017
Sample Matrix	Bulk SACM	Bulk SACM	Bulk SACM	Bulk SACM	Bulk SACM
<b>Results</b>					
Non-Asbestos: Appearance	White, Friable, Homogenous	White, Friable, Homogenous	White, Friable, Homogenous	White, Friable, Homogenous	Brown, Friable, Homogenous
Non-Asbestos: % Fibrous Material	98.00% Min. Wool	95.00% Glass	NA	10.00% Synthetic, 5.00% Glass	NA
Non-Asbestos: % Non-fibrous Material	2.00% Non-fibrous (Other)	5.00% Non-fibrous (Other)	60.00% Non-fibrous (Other)	85.00% Non-fibrous (Other)	75.00% Non-fibrous (Other)
Asbestos: % Type	None Detected	None Detected	<b>30.00% Amosite, 10.00% Chrysotile</b>	None Detected	<b>25.00% Chrysotile</b>
RST 3 Sample Number	P001-BULK006-01	P001-BULK007-01	P001-BULK008-01	P001-BULK009-01	P001-BULK010-01
Material Description	Insulation	Mortar	Ceiling Tile	Paint	Insulation
Location	Boiler Room	Boiler Room	HR Building	Admin Building	Storage Building
Sub-Location	First Floor	First Floor	First Floor	Stairway Wall	First Floor
Sampling Date	6/7/2017	6/7/2017	6/7/2017	6/7/2017	6/7/2017
Sample Matrix	Bulk SACM	Bulk SACM	Bulk SACM	Bulk SACM	Bulk SACM
<b>Results</b>					
Non-Asbestos: Appearance	White, Friable, Homogenous	Tan, Friable, Homogenous	White, NOB, Homogenous	Tan/White, Friable, Homogenous	Yellow, Friable, Homogenous
Non-Asbestos: % Fibrous Material	15.00% Synthetic, 5.00% Glass	NA	25.4% Min. Wool	NA	95.00% Min. Wool
Non-Asbestos: % Non-fibrous Material	2.00% Mica, 78.00% Non-fibrous (Other)	100.00% Non-fibrous (Other)	NA	100.00% Non-fibrous (Other)	5.00% Non-fibrous (Other)
Asbestos: % Type	None Detected	None Detected	None Detected	None Detected	None Detected
RST 3 Sample Number	P001-BULK011-01	P001-BULK012-01	P001-BULK013-01	P001-BULK014-01	P001-BULK015-01
Material Description	Insulation	Powder	Paint	Insulation	Insulation
Location	Machine Room	Wet/Beater Room	Wet/Beater Room	Wet/Beater Room	Wet/Beater Room
Sub-Location	Second Floor	Second Floor	Second Floor	First Floor	First Floor
Sampling Date	6/7/2017	6/7/2017	6/7/2017	6/7/2017	6/7/2017
Sample Matrix	Bulk SACM	Bulk SACM	Bulk SACM	Bulk SACM	Bulk SACM
<b>Results</b>					
Non-Asbestos: Appearance	Brown/Black, Friable, Homogenous	Purple, Friable, Homogenous	Gray, Friable, Homogenous	Brown, Friable, Homogenous	Gray, Friable, Homogenous
Non-Asbestos: % Fibrous Material	50.00% Cellulose	5.00% Cellulose	50.00% Cellulose	NA	NA
Non-Asbestos: % Non-fibrous Material	15.00% Mica, 35.00% Non-fibrous (Other)	95.00% Non-fibrous (Other)	50.00% Non-fibrous (Other)	87.50% Non-fibrous (Other)	75.00% Non-fibrous (Other)
Asbestos: % Type	None Detected	None Detected	None Detected	<b>9.38% Amosite, 3.12% Chrysotile</b>	<b>12.50% Chrysotile, 12.50% Crocidolite</b>

**Notes:**

RST 3 - Removal Support Team 3  
SACM - Suspect Asbestos Containing Material

% - Percent

NOB - Non Friable Organically Bound

NA - Not Applicable

Results greater than one percent asbestos are reported in bold, red font.

**Table 2: Analytical Results Summary Table - Asbestos  
Deferiet Paper Mill Site  
Deferiet, Jefferson County, New York  
June 7, 2017**

RST 3 Sample Number	P001-BULK016-01	P001-BULK017-01	P001-BULK018-01	P001-BULK019-01	P001-BULK020-01
Material Description	Powder	Insulation	Insulation	Insulation	Insulation
Location	Wet/Beater Room	Wet/Beater Room	Machine Room	Machine Room	Machine Room
Sub-Location	First Floor	First Floor	First Floor	First Floor	First Floor
Sampling Date	6/7/2017	6/7/2017	6/7/2017	6/7/2017	6/7/2017
Sample Matrix	Bulk SACM	Bulk SACM	Bulk SACM	Bulk SACM	Bulk SACM
<b>Results</b>					
Non-Asbestos: Appearance	White, Friable, Homogenous	Brown/Gray, Friable, Heterogeneous	Gray, Friable, Homogenous	Gray, Friable, Homogenous	White, Friable, Homogenous
Non-Asbestos: % Fibrous Material	10.00% Cellulose	70.00% Cellulose	NA	NA	20.00% Synthetic, 10.00% Glass
Non-Asbestos: % Non-fibrous Material	90.00% Non-fibrous (Other)	30.00% Non-fibrous (Other)	75.00% Non-fibrous (Other)	76.50% Non-fibrous (Other)	70.00% Non-fibrous (Other)
Asbestos: % Type	None Detected	None Detected	<b>25.00% Chrysotile</b>	<b>23.50% Chrysotile</b>	None Detected
RST 3 Sample Number	P001-BULK021-01	P001-BULK022-01	P001-BULK023-01	P001-BULK024-01	P001-BULK025-01
Material Description	Roofing	Insulation	Roofing	Insulation	Insulation
Location	Machine Room	Wet/Beater Room	Wet/Beater Room	Sulfite Room	Sulfite Room
Sub-Location	First Floor	First Floor	Outside Wet/Beater Room	First Floor	First Floor
Sampling Date	6/7/2017	6/7/2017	6/7/2017	6/7/2017	6/7/2017
Sample Matrix	Bulk SACM	Bulk SACM	Bulk SACM	Bulk SACM	Bulk SACM
<b>Results</b>					
Non-Asbestos: Appearance	Black, NOB, Homogenous	Various, Friable, Heterogeneous	Black, NOB, Homogenous	White, Friable, Homogenous	Tan, Friable, Homogenous
Non-Asbestos: % Fibrous Material	NA	80.00% Cellulose	NA	10.00% Synthetic, 10.00% Glass	10.00% Cellulose, 10.00% Synthetic
Non-Asbestos: % Non-fibrous Material	NA	14.40% Non-fibrous (Other), 5.60% Vermiculite	NA	80.00% Non-fibrous (Other)	80.00% Non-fibrous (Other)
Asbestos: % Type	None Detected	None Detected	None Detected	None Detected	None Detected
RST 3 Sample Number	P001-BULK026-01	P001-BULK027-01	P001-BULK028-01	P001-BULK029-01	P001-BULK030-01
Material Description	Mortar	Insulation	Insulation	Solidified Ash	Insulation
Location	Sulfite Room	Boiler Room	Boiler Room	Boiler Room	Boiler Room
Sub-Location	Second Floor	Second Floor	Second Floor	Second Floor	Second Floor
Sampling Date	6/7/2017	6/7/2017	6/7/2017	6/7/2017	6/7/2017
Sample Matrix	Bulk SACM	Bulk SACM	Bulk SACM	Bulk SACM	Bulk SACM
<b>Results</b>					
Non-Asbestos: Appearance	Brown/Gray, Friable, Homogenous	White/Black, Friable, Homogenous	Pink, Friable, Homogenous	Black/Rust, Friable, Homogenous	Tan, Friable, Homogenous
Non-Asbestos: % Fibrous Material	NA	50.00% Glass	NA	NA	NA
Non-Asbestos: % Non-fibrous Material	100.00% Non-fibrous (Other)	50.00% Non-fibrous (Other)	100.00% Non-fibrous (Other)	100.00% Non-fibrous (Other)	79.00% Non-fibrous (Other)
Asbestos: % Type	None Detected	None Detected	None Detected	None Detected	<b>10.50% Amosite, 10.50% Chrysotile</b>

**Notes:**

RST 3 - Removal Support Team 3  
SACM - Suspect Asbestos Containing Material

% - Percent

NOB - Non Friable Organically Bound

NA - Not Applicable

Results greater than one percent asbestos are reported in bold, red font.

**Table 3: Liquid and Solid Waste Analytical Results Summary Table - TCL VOCs**  
**Deferiet Paper Mill Site**  
**Deferiet, Jefferson County, New York**  
**June 21, 2017**

RST 3 Sample Number	P001-LW-006	P001-LW-008	P001-LW-020	P001-LW-031	P001-LW-040	P001-LW-046	P001-LW-047	P001-LW-049	P001-LW-057	P001-LW-086	P001-LW-108	P001-LW-109
Sampling Date	6/21/2017	6/21/2017	6/21/2017	6/21/2017	6/21/2017	6/21/2017	6/21/2017	6/21/2017	6/21/2017	6/21/2017	6/21/2017	6/21/2017
Sample Matrix	Liquid Waste	Liquid Waste	Solid Waste	Solid Waste	Liquid Waste	Liquid Waste	Liquid Waste	Liquid Waste	Solid Waste	Liquid Waste	Liquid Waste	Liquid Waste
<b>TCL VOCs</b>												
Acetone	<b>14,100</b>	ND	ND	ND	<b>2,990 J</b>	ND	<b>2,670 J</b>	ND	ND	ND	ND	ND
Benzene	ND	ND	<b>38,100</b>	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	<b>370 J</b>	<b>483 J</b>	ND	ND	<b>329 J</b>	<b>395 J</b>	ND	<b>282 J</b>	ND	ND	ND	ND
2-Butanone	<b>1,010 J</b>	ND	ND	ND	ND	<b>1,020 J</b>	ND	ND	ND	ND	<b>984 J</b>	ND
Carbon Disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorodibromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	ND	ND	<b>75,500</b>	ND	ND	ND	ND	ND	<b>68,800</b>	ND	ND	ND
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	<b>344,000</b>	ND	ND	ND	ND	ND	ND	ND	ND	ND
Freon 113	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	ND	ND	<b>194,000</b>	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl acetate	ND	ND	ND	ND	<b>373 J</b>	ND	ND	ND	ND	ND	ND	ND
Methyl cyclohexane	ND	ND	<b>295,000</b>	ND	ND	ND	ND	ND	ND	<b>277 J</b>	ND	ND
Methyl t-Butyl Ether	ND	ND	<b>28,800</b>	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone(MIBK)	ND	ND	ND	ND	ND	ND	ND	ND	<b>14,300,000</b>	ND	ND	ND
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	<b>436,000</b>	ND	ND	ND	ND	ND	<b>663,000</b>	<b>431 J</b>	ND	ND
Total Xylenes	ND	ND	<b>2,590,000</b>	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ND	ND	<b>834,000</b>	ND	ND	ND	ND	ND	ND	ND	ND	ND
mp-Xylene	ND	ND	<b>1,750,000</b>	ND	ND	ND	ND	ND	ND	ND	ND	ND

**Notes:**

RST 3 - Removal Support Team 3

TCL - Target Compound List

VOCs - Volatile Organic Compounds

ND - Not Detected

J - Estimated result

All liquid waste analytical results reported in micrograms per liter ( $\mu\text{g/L}$ )

All solid waste analytical results reported in micrograms per kilogram ( $\mu\text{g/kg}$ )

**Bold result values are detections**

Table 4: Liquid and Solid Waste Analytical Results Summary Table - TCL SVOCs

Deferiet Paper Mill Site

Deferiet, Jefferson County, New York

June 21, 2017

RST 3 Sample Number	P001-LW-006	P001-LW-008	P001-LW-020	P001-LW-031	P001-LW-040	P001-LW-046	P001-LW-047	P001-LW-049	P001-LW-057	P001-LW-086	P001-LW-108	P001-LW-109
Sampling Date	6/21/2017	6/21/2017	6/21/2017	6/21/2017	6/21/2017	6/21/2017	6/21/2017	6/21/2017	6/21/2017	6/21/2017	6/21/2017	6/21/2017
Sample Matrix	Liquid Waste	Liquid Waste	Solid Waste	Solid Waste	Liquid Waste	Liquid Waste	Liquid Waste	Liquid Waste	Solid Waste	Liquid Waste	Liquid Waste	Liquid Waste
<b>TCL SVOCs</b>												
Acenaphthene	ND	ND	<b>174.000</b>	ND	ND	ND	ND	ND	ND	ND	ND	<b>34.7 J</b>
Acenaphthylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetophenone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<b>25.3 J</b>
Atrazine	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzaldehyde	ND	ND	ND	ND	ND	ND	ND	ND	ND	<b>104 J</b>	ND	ND
Benzo(a)anthracene	<b>158 J</b>	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Biphenyl	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Bromophenyl-phenylether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butylbenzylphthalate	<b>995 J</b>	ND	ND	ND	ND	ND	<b>7.5 J</b>	ND	ND	ND	ND	ND
Caprolactam	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Chloroethyl)ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenyl-phenylether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
mp-Cresol	<b>135 J</b>	ND	ND	ND	ND	ND	ND	ND	ND	ND	<b>14.3 J</b>	ND
o-Cresol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-Butylphthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<b>10.2 J</b>	ND
Di-n-Octylphthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenz(a,b)anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3-Dichlorobenzidine	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethylphthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Ethyhexyl)phthalate	ND	<b>152 J</b>	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	<b>136 J</b>	ND	ND	ND	ND	ND	ND	ND	ND	ND	<b>14.8 J</b>	ND
Fluorene	ND	ND	<b>255.000</b>	ND	ND	ND	ND	ND	ND	ND	<b>46.9 J</b>	ND
Hexachlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iso phorone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methyl-4-dinitrophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	<b>1,090 J</b>	ND	<b>4,250.000</b>	ND	ND	<b>1,230 J</b>	ND	ND	ND	ND	ND	ND
Naphthalene	<b>248 J</b>	<b>9,720</b>	<b>1,830.000</b>	ND	ND	<b>543 J</b>	ND	ND	ND	ND	ND	ND
2-Nitroaniline	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Nitroaniline	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitroso-di-n-propylamine	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	<b>295 J</b>	ND	<b>490.000</b>	ND	ND	ND	ND	ND	ND	ND	ND	<b>143</b>
Phenol	ND	ND	ND	ND	<b>690 J</b>	ND	ND	ND	ND	ND	ND	ND
Pyrene	<b>209 J</b>	ND	ND	ND	ND	ND	ND	ND	ND	ND	<b>48.7 J</b>	ND
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,3,4,6-Tetrachlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

**Notes:**

RST 3 - Removal Support Team 3

TCL - Target Compound List

**Table 5: Liquid and Solid Waste Analytical Results Summary Table - TCL PCBs**

Deferiet Paper Mill Site

Deferiet, Jefferson County, New York

June 21, 2017

RST 3 Sample Number	P001-LW-006	P001-LW-008	P001-LW-021	P001-LW-028	P001-LW-031	P001-LW-040	P001-LW-049	P001-LW-108	P001-LW-109
Sampling Date	6/21/2017	6/21/2017	6/21/2017	6/21/2017	6/21/2017	6/21/2017	6/21/2017	6/21/2017	6/21/2017
Sample Matrix	Liquid Waste	Liquid Waste	Solid Waste	Solid Waste	Solid Waste	Liquid Waste	Liquid Waste	Liquid Waste	Liquid Waste
<b>TCL PCBs</b>									
Aroclor-1016	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1221	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1232	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1242	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1248	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1254	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1260	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1262	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1268	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PCBs	ND*	ND*	ND	ND	ND	ND*	ND*	ND*	ND*

**Notes:**

RST 3 - Removal Support Team 3

TCL - Target Compound List

PCBs - Polychlorinated Biphenyls

ND - Not Detected

J - Estimated result

\* - Total PCB results not reported for liquid waste samples

All liquid waste analytical results reported in micrograms per liter ( $\mu\text{g/L}$ )

All solid waste analytical results reported in milligrams per kilogram (mg/kg)

**Bold result values are detections**

**Table 6: Liquid and Solid Waste Analytical Results Summary Table - TCL Pesticides**  
**Deferiet Paper Mill Site**  
**Deferiet, Jefferson County, New York**  
**June 21, 2017**

RST 3 Sample Number	P001-LW-006	P001-LW-008	P001-LW-031	P001-LW-040	P001-LW-049	P001-LW-108	P001-LW-109
Sampling Date	6/21/2017	6/21/2017	6/21/2017	6/21/2017	6/21/2017	6/21/2017	6/21/2017
Sample Matrix	Liquid Waste	Liquid Waste	Solid Waste	Liquid Waste	Liquid Waste	Liquid Waste	Liquid Waste
<b>TCL Pesticides</b>							
Aldrin	ND	ND	ND	ND	ND	ND	ND
alpha-BHC	ND	ND	ND	ND	ND	ND	ND
beta-BHC	ND	ND	ND	ND	ND	ND	ND
delta-BHC	ND	ND	ND	ND	ND	ND	ND
gamma-BHC	ND	ND	ND	ND	ND	ND	ND
Chlordane	ND	ND	ND	ND	ND	ND	ND
alpha-Chlordane	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	ND	ND	ND	ND	ND	ND	ND
4,4'-DDD	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT	ND	ND	ND	ND	ND	ND	ND
Dieldrin	<b>4.9 J</b>	ND	ND	ND	ND	ND	ND
Endosulfan I	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	ND	ND	ND	ND	ND	ND	ND
Endosulfan Sulfate	ND	ND	ND	ND	ND	ND	ND
Endrin	ND	ND	ND	ND	ND	ND	ND
Endrin Aldehyde	ND	ND	ND	ND	ND	ND	ND
Endrin Ketone	ND	ND	ND	ND	ND	ND	ND
Heptachlor	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	ND	ND	ND	ND	ND	ND	ND
Toxaphene	ND	ND	ND	ND	ND	ND	ND

**Notes:**

RST 3 - Removal Support Team 3

TCL - Target Compound List

ND - Not Detected

J - Estimated result

All liquid waste analytical results reported in micrograms per liter ( $\mu\text{g/L}$ )

All solid waste analytical results reported in micrograms per kilogram ( $\mu\text{g/kg}$ )

**Bold result values are detections**

**Table 7: Liquid and Solid Waste Analytical Results Summary Table - TAL Metals + Hg and CN**  
**Deferiet Paper Mill Site**  
**Deferiet, Jefferson County, New York**  
**June 21, 2017**

RST 3 Sample Number	P001-LW-006	P001-LW-008	P001-LW-031	P001-LW-040	P001-LW-043	P001-LW-045	P001-LW-049	P001-LW-055	P001-LW-056	P001-LW-108	P001-LW-109
Sampling Date	6/21/2017	6/21/2017	6/21/2017	6/21/2017	6/21/2017	6/21/2017	6/21/2017	6/21/2017	6/21/2017	6/21/2017	6/21/2017
Sample Matrix	Liquid Waste	Liquid Waste	Solid Waste	Liquid Waste	Solid Waste	Solid Waste	Liquid Waste	Liquid Waste	Solid Waste	Liquid Waste	Liquid Waste
<b>TAL Metals</b>											
Aluminum	<b>5.1</b>	ND	ND	ND	<b>16.9 J</b>	<b>27.1</b>	<b>2.4 J</b>	<b>4.3 J</b>	ND	ND	<b>2.1 J</b>
Antimony	ND	ND	ND	ND	ND	ND	<b>0.67 J</b>	ND	ND	ND	ND
Arsenic	ND	<b>2.0</b>	ND	<b>1.2</b>	ND	ND	<b>2.8</b>	ND	ND	ND	ND
Barium	ND	ND	<b>1.1 J</b>	<b>0.41 J</b>	<b>2.0</b>	<b>2.2</b>	<b>0.17 J</b>	ND	<b>1.6 J</b>	ND	ND
Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Calcium	<b>71.8</b>	ND	<b>14.9 J</b>	<b>6.6 J</b>	<b>40.6</b>	<b>40.5</b>	<b>49.1</b>	<b>213</b>	<b>77.3</b>	<b>7.9 J</b>	<b>171</b>
Chromium	<b>0.31</b>	<b>0.26 J</b>	ND	ND	ND	ND	ND	ND	ND	<b>0.25 J</b>	ND
Cobalt	ND	ND	ND	ND	ND	ND	ND	ND	ND	<b>0.70</b>	ND
Copper	<b>4.6</b>	ND	ND	ND	<b>1.7 J</b>	ND	ND	ND	ND	<b>2.6</b>	ND
Iron	<b>112</b>	ND	<b>14.7 J</b>	ND	<b>8.5 J</b>	<b>467</b>	<b>6.3</b>	<b>5.3</b>	ND	<b>17,900</b>	ND
Lead	<b>0.27 J</b>	ND	ND	ND	ND	ND	<b>0.69</b>	ND	ND	<b>1.0</b>	ND
Magnesium	<b>21.9</b>	ND	ND	ND	<b>21.3</b>	ND	<b>22.3</b>	ND	ND	ND	<b>31.6</b>
Manganese	<b>0.97</b>	ND	ND	ND	ND	<b>1.4 J</b>	ND	ND	ND	<b>130</b>	ND
Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	<b>0.78 J</b>	ND	ND	<b>4.5</b>	ND						
Potassium	<b>18.7 J</b>	<b>542</b>	<b>366</b>	<b>121</b>	<b>42.6 J</b>	ND	<b>46.2</b>	ND	ND	ND	<b>33.6</b>
Selenium	ND	<b>2.2</b>	ND	<b>1.3 J</b>	ND	ND	ND	<b>5.8</b>	ND	ND	ND
Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	<b>0.22 J</b>	ND
Sodium	<b>5,910</b>	<b>42,200</b>	<b>19,700</b>	<b>15,100</b>	<b>34,400</b>	ND	<b>8,540</b>	ND	<b>26,400</b>	ND	<b>41.4</b>
Thallium	<b>4.0</b>	ND	ND	ND	ND						
Vanadium	ND	<b>0.28 J</b>	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc	<b>179</b>	ND	ND	<b>1.2 J</b>	ND	ND	<b>4.7</b>	<b>0.42 J</b>	ND	<b>4.2</b>	<b>1.4</b>
Cyanide (Total)	<b>0.030 J</b>	ND	ND	ND	<b>0.15</b>	<b>0.38 J</b>	ND	<b>0.030 J</b>	ND	ND	ND

**Notes:**

RST 3 - Removal Support Team 3

TAL - Target Analyte List

ND - Not Detected

J - Estimated result

Hg - Mercury

CN - Cyanide

All liquid waste analytical results reported in milligrams per liter (mg/L)

All solid waste analytical results reported in milligrams per kilogram (mg/kg)

**Bold result values are detections**

**Table 8: Liquid and Solid Waste Analytical Results Summary Table - RCRA Characteristics**  
**Deferiet Paper Mill Site**  
**Deferiet, Jefferson County, New York**  
**June 21, 2017**

RST 3 Sample Number	P001-LW-006	P001-LW-008	P001-LW-026	P001-LW-028	P001-LW-029	P001-LW-031	P001-LW-034	P001-LW-040
Sampling Date	6/21/2017	6/21/2017	6/21/2017	6/21/2017	6/21/2017	6/21/2017	6/21/2017	6/21/2017
Sample Matrix	Liquid Waste	Liquid Waste	Liquid Waste	Solid Waste	Liquid Waste	Solid Waste	Liquid Waste	Liquid Waste
<b>RCRA Characteristics</b>								
Corrosivity as pH	<b>2.65</b>	<b>10.00</b>	<b>8.87</b>	<b>6.86</b>	<b>13.87</b>	<b>9.30</b>	<b>13.84</b>	<b>10.26</b>
Reactive Cyanide	ND							
Ignitability	NI							
Reactive Sulfide	<b>163</b>	ND	ND	<b>2.4 J</b>	ND	<b>1.6 J</b>	ND	<b>2.4 J</b>

RST 3 Sample Number	P001-LW-049	P001-LW-055	P001-LW-057	P001-LW-077	P001-LW-107	P001-LW-108	P001-LW-109
Sampling Date	6/21/2017	6/21/2017	6/21/2017	6/21/2017	6/21/2017	6/21/2017	6/21/2017
Sample Matrix	Liquid Waste	Liquid Waste	Solid Waste	Liquid Waste	Liquid Waste	Liquid Waste	Liquid Waste
<b>RCRA Characteristics</b>							
Corrosivity as pH	<b>10.91</b>	<b>9.12</b>	<b>5.94</b>	<b>4.69</b>	<b>13.65</b>	<b>2.73</b>	<b>6.54</b>
Reactive Cyanide	ND	0.02 J	ND	ND	ND	0.015 J	ND
Ignitability	NI	NI	NI	NI	NI	NI	NI
Reactive Sulfide	ND	<b>12.40</b>	6.4	<b>2.4 J</b>	ND	ND	ND

**Notes:**

RST 3 - Removal Support Team 3

RCRA - Resource Conservation and Recovery Act

ND - Not Detected

NA - Not Analyzed

NI - Not ignitable

J - Estimated result

Reactive cyanide and reactive sulfide analytical results reported in parts per million (ppm)

**Bold result values are detections**

**Table 9: Soil Validated Analytical Results Summary Table - TCL VOCs**  
**Deferiet Paper Mill Site**  
**July 2017**

RST 3 Sample No.	CLP Sample No. Sampling Date Sample Matrix	NYSDEC Restricted Use SCOs (Industrial Soil) <sup>2</sup>	P001-SS001-01	P001-SS002-01	P001-SS002-02	P001-SS003-01	P001-SS004-01	P001-SS005-01
BC8B5			BC8C0	BC8C1	BC8B9	BC8B8	BC8B7	
7/27/2017			7/27/2017	7/27/2017	7/27/2017	7/27/2017	7/27/2017	
Soil			Soil	Soil	Soil	Soil	Soil	
Dichlorodifluoromethane	370,000	NS	5.2 U	7.0 U	5.2 U	5.6 U	5.8 U	5.3 U
Chloromethane	460,000	NS	5.2 U	7.0 U	5.2 U	5.6 U	5.8 U	5.3 U
Vinyl chloride	170,000	27,000	5.2 U	7.0 U	5.2 U	5.6 U	5.8 U	5.3 U
Bromomethane	30,000	NS	5.2 U	7.0 U	5.2 U	5.6 U	5.8 U	5.3 U
Chloroethane	57,000,000	NS	5.2 U	7.0 U	5.2 U	5.6 U	5.8 U	5.3 U
Trichlorofluoromethane	350,000,000	NS	5.2 U	7.0 U	5.2 U	5.6 U	5.8 U	5.3 U
1,1-Dichloroethene	1,000,000	1,000,000	5.2 U	7.0 U	5.2 U	5.6 U	5.8 UJ	5.3 U
1,1,2-Trichloro-1,2,2-trifluoroethane	170,000,000	NS	5.2 U	7.0 U	5.2 U	5.6 U	5.8 U	5.3 U
Acetone	670,000,000	1,000,000	10 U	14 U	10 U	<b>48</b>	12 U	11 U
Carbon disulfide	3,500,000	NS	5.2 U	7.0 U	5.2 U	5.6 U	5.8 U	5.3 U
Methyl Acetate	1,200,000,000	NS	5.2 U	7.0 U	5.2 U	5.6 U	5.8 U	5.3 U
Methylene chloride	3,200,000	1,000,000	5.2 U	6.4 J	5.2 U	5.6 U	5.8 U	5.3 U
trans-1,2-Dichloroethene	23,000,000	1,000,000	5.2 U	7.0 U	5.2 U	5.6 U	5.8 UJ	5.3 U
Methyl tert-butyl Ether	21,000,000	1,000,000	5.2 U	7.0 U	5.2 U	5.6 U	5.8 U	5.3 U
1,1-Dichloroethane	1,600,000	480,000	5.2 U	7.0 U	5.2 U	5.6 U	5.8 U	5.3 U
cis-1,2-Dichloroethene	2,300,000	1,000,000	5.2 U	7.0 U	5.2 U	5.6 U	5.8 UJ	5.3 U
2-Butanone	190,000,000	1,000,000	10 U	14 U	10 U	11 U	12 U	11 U
Bromochloromethane	630,000	NS	5.2 U	7.0 U	5.2 U	5.6 U	5.8 U	5.3 U
Chloroform	140,000	700,000	5.2 U	7.0 U	5.2 U	5.6 U	5.8 U	5.3 U
1,1,1-Trichloroethane	36,000,000	1,000,000	5.2 U	7.0 U	5.2 U	5.6 U	5.8 U	5.3 U
Cyclohexane	27,000,000	NS	5.2 U	7.0 U	5.2 U	5.6 U	5.8 U	5.3 U
Carbon tetrachloride	290,000	44,000	5.2 U	7.0 U	5.2 U	5.6 U	5.8 U	5.3 U
Benzene	420,000	89,000	5.2 U	7.0 U	5.2 U	5.6 U	5.8 U	5.3 U
1,2-Dichloroethane	140,000	60,000	5.2 U	7.0 U	5.2 U	5.6 U	5.8 U	5.3 U
Trichloroethene	19,000	400,000	5.2 U	7.0 U	5.2 U	5.6 U	5.8 U	5.3 U
Methylecyclohexane	NS	NS	5.2 U	7.0 U	5.2 U	5.6 U	5.8 U	5.3 U
1,2-Dichloropropane	66,000	NS	5.2 U	7.0 U	5.2 U	5.6 U	5.8 U	5.3 U
Bromodichloromethane	130,000	NS	5.2 U	7.0 U	5.2 U	5.6 U	5.8 U	5.3 U
cis-1,3-Dichloropropene	NS	NS	5.2 U	7.0 U	5.2 U	5.6 U	5.8 U	5.3 U
4-Methyl-2-pentanone	140,000,000	NS	10 U	14 U	10 U	11 U	12 U	11 U
Toluene	47,000,000	1,000,000	5.2 U	7.0 U	5.2 U	5.6 U	5.8 U	5.3 U
trans-1,3-Dichloropropene	NS	NS	5.2 U	7.0 U	5.2 U	5.6 U	5.8 U	5.3 U
1,1,2-Trichloroethane	6,300.0	NS	5.2 U	7.0 U	5.2 U	5.6 U	5.8 U	5.3 U
Tetrachloroethene	390,000	300,000	5.2 U	7.0 U	5.2 U	5.6 U	5.8 U	5.3 U
2-Hexanone	1,300,000	NS	10 U	14 U	10 U	11 U	12 U	11 U
Dibromochloromethane	3,900,000	NS	5.2 U	7.0 U	5.2 U	5.6 U	5.8 U	5.3 U
1,2-Dibromoethane	16,000	NS	5.2 U	7.0 U	5.2 U	5.6 U	5.8 U	5.3 U
Chlorobenzene	1,300,000	1,000,000	5.2 U	7.0 U	5.2 U	5.6 U	5.8 U	5.3 U
Ethylbenzene	2,500,000	780,000	5.2 U	7.0 U	5.2 U	5.6 U	5.8 U	5.3 U
o-xylene	2,800,000	1,000,000	5.2 U	7.0 U	5.2 U	5.6 U	5.8 U	5.3 U
m,p-Xylene	2,500,000	1,000,000	5.2 U	7.0 U	5.2 U	5.6 U	5.8 U	5.3 U
Styrene	35,000,000	NS	5.2 U	7.0 U	5.2 U	5.6 U	5.8 U	5.3 U
Bromoform	8,600,000	NS	5.2 UJ	7.0 U	5.2 U	5.6 UJ	5.8 U	5.3 U
Isopropylbenzene	9,900,000	NS	5.2 U	7.0 U	5.2 U	5.6 U	5.8 U	5.3 U
1,1,2,2-Tetrachloroethane	270,000	NS	5.2 U	7.0 U	5.2 U	5.6 U	5.8 U	5.3 U
1,3-Dichlorobenzene	NS	560,000	5.2 UJ	7.0 U	5.2 U	5.6 UJ	5.8 U	5.3 U
1,4-Dichlorobenzene	1,100,000	250,000	5.2 UJ	7.0 U	5.2 U	5.6 UJ	5.8 U	5.3 U
1,2-Dichlorobenzene	9,300,000	1,000,000	5.2 UJ	7.0 U	5.2 U	5.6 UJ	5.8 U	5.3 U
1,2-Dibromo-3-chloropropane	6,400.0	NS	5.2 UJ	7.0 U	5.2 U	5.6 UJ	5.8 U	5.3 U
1,2,4-trichlorobenzene	260,000	380,000	5.2 UJ	7.0 U	5.2 U	5.6 UJ	5.8 U	5.3 U
1,2,3-Trichlorobenzene	930,000	NS	5.2 UJ	7.0 U	5.2 U	5.6 UJ	5.8 U	5.3 U

**Notes:**

TCL VOCs - Target compound list volatile organic compounds.

RST 3 Sample No. - Removal Support Team 3 Sample Number.

CLP Sample No. - Contract Laboratory Program Sample Number.

U - Indicates the analyte was analyzed for but not detected.

J - Indicates the reported value is an estimate.

<sup>1</sup> U.S. Environmental Protection Agency (EPA) Removal Management Levels (RMLs) for Industrial Soil correspond to a 10<sup>4</sup> Risk Level for Carcinogens or a Hazard Quotient (HQ) of 1 for Non-Carcinogens, May 2016.

<sup>2</sup> New York State Department of Environmental Conservation (NYSDEC) Restricted Use Soil Cleanup Objectives (SCOs) for industrial soil, obtained from NYSDEC 6 NYCRR Table 375 6.8 (b), December 14, 2006.

All soil analytical data, EPA RMLs for Industrial Soil and NYSDEC SCOS, are presented in micrograms per kilogram ( $\mu\text{g}/\text{kg}$ ).

**Bold values indicate detected concentrations.**

**Table 10: Soil Validated Analytical Results Summary Table - TCL SVOCs**  
**Deferiet Paper Mill Site**  
**July 2017**

RST 3 Sample No.	CLP Sample No.	Sampling Date	Sample Matrix	P001-SS001-01	P001-SS002-01	P001-SS002-02	P001-SS003-01	P001-SS004-01	P001-SS005-01
CLP Sample No.				BC8B5	BC8C0	BC8C1	BC8B9	BC8B8	BC8B7
Sampling Date				7/27/2017	7/27/2017	7/27/2017	7/27/2017	7/27/2017	7/27/2017
Sample Matrix				Soil	Soil	Soil	Soil	Soil	Soil
EPA RMLs (Industrial Soil) <sup>1</sup>	NYSDEC Restricted Use SCOs (Industrial Soil) <sup>2</sup>								
1,4-Dioxane	2,400,000	NS	72 UJ	71 UJ	71 U	360 U	84 UJ	80 UJ	
Benzaldehyde	82,000,000	NS	360 U	350 U	350 U	1,800 U	420 U	390 U	
Phenol	250,000,000	1,000,000	360 U	350 U	100 J	1,800 U	56 J	390 U	
Bis(2-Chloroethyl)ether	100,000	NS	360 U	350 U	350 U	1,800 U	420 U	390 U	
2-Chlorophenol	5,800,000	NS	180 U	180 U	180 U	920 U	210 U	200 U	
2-Methylphenol	41,000,000	1,000,000	360 U	350 U	350 U	1,800 U	420 U	390 U	
2,2-oxybis(1-Chloropropane)	47,000,000	NS	360 U	350 U	350 U	1,800 U	420 U	390 U	
Acetophenone	120,000,000	NS	360 U	350 U	350 U	1,800 U	98 J	390 U	
4-Methylphenol	82,000,000	1,000,000	360 U	350 U	350 U	1,800 U	420 U	390 U	
N-Nitroso-di-n-propylamine	33,000	NS	180 U	180 U	180 U	920 U	210 U	200 U	
Hexachloroethane	460,000	NS	180 U	180 U	180 U	920 U	210 U	200 U	
Nitrobenzene	1,300,000	NS	180 U	180 U	180 U	920 U	210 U	200 U	
Isophorone	160,000,000	NS	180 U	180 U	180 U	920 U	210 U	200 U	
2-Nitrophenol	NS	NS	180 U	180 U	180 U	920 U	210 U	200 U	
2,4-Dimethylphenol	16,000,000	NS	180 U	180 U	180 U	920 U	210 U	200 U	
Bis(2-Chloroethoxy)methane	2,500,000	NS	180 U	180 U	180 U	920 U	210 U	200 U	
2,4-Dichlorophenol	2,500,000	NS	180 U	180 U	180 U	920 U	210 U	200 U	
Naphthalene	590,000	1,000,000	180 U	180 U	280	920 U	48 J	89 J	
4-Chloraniline	1,100,000	NS	360 U	350 U	350 U	1,800 UJ	420 U	390 U	
Hexachlorobutadiene	530,000	NS	180 U	180 U	180 U	920 U	210 U	200 U	
Caprolactam	400,000,000	NS	360 U	350 U	350 U	1,800 U	420 U	390 U	
4-Chloro-3-methylphenol	82,000,000	NS	180 U	180 U	180 U	920 U	210 U	200 U	
2-Methylnaphthalene	3,000,000	NS	180 U	180 U	42 J	920 U	57 J	200	
Hexachlorocyclopentadiene	7,500	NS	360 U	350 U	350 U	1,800 UJ	420 U	390 U	
2,4,6-Trichlorophenol	820,000	NS	180 U	180 U	180 U	920 UJ	210 U	200 U	
2,4,5-Trichlorophenol	82,000,000	NS	180 U	180 U	180 U	920 U	210 U	200 U	
1,1-Biphenyl	200,000	NS	180 U	180 U	180 U	920 U	210 U	76 J	
2-Chloronaphthalene	60,000,000	NS	180 U	180 U	180 U	920 U	210 U	200 U	
2-Nitroaniline	8,000,000	NS	180 U	180 U	180 U	920 U	210 U	200 U	
Dimethylphthalate	NS	NS	160 J	140 J	370	920 U	230	140 J	
2,6-Dinitrotoluene	150,000	NS	180 U	180 U	180 U	920 U	210 U	200 U	
Acenaphthylene	NS	1,000,000	180 U	180 U	180 U	920 U	210 U	200 U	
3-Nitroaniline	NS	NS	360 U	350 U	350 U	1,800 U	420 U	390 U	
Acenaphthene	45,000,000	1,000,000	180 U	180 U	37 J	920 U	210 U	200 U	
2,4-Dinitrophenol	1,600,000	NS	360 U	350 U	350 U	1,800 U	420 U	390 U	
4-Nitrophenol	NS	NS	360 U	350 U	350 U	1,800 U	420 U	390 U	
Dibenzofuran	1,000,000	1,000,000	180 U	180 U	180 U	920 U	210 U	200 U	
2,4-Dinitrotoluene	740,000	NS	180 U	180 U	180 U	920 U	210 U	200 U	
Diethylphthalate	660,000,000	NS	180 U	180 U	180 U	920 U	210 U	200 U	
Fluorene	30,000,000	1,000,000	180 U	180 U	180 U	920 U	210 U	200 U	
4-Chlorophenyl-phenylether	NS	NS	180 U	180 U	180 U	920 U	210 U	200 U	
4-Nitroaniline	3,300,000	NS	360 U	350 U	350 U	1,800 U	420 U	390 U	
4,6-Dinitro-2-methylphenol	66,000	NS	360 U	350 U	350 U	1,800 U	420 U	390 U	
N-Nitrosodiphenylamine	47,000,000	NS	180 U	180 U	180 U	920 U	210 U	200 U	
1,2,4,5-Tetrachlorobenzene	350,000	NS	180 U	180 U	180 U	920 U	210 U	200 U	
4-Bromophenyl-phenylether	NS	NS	180 U	180 U	180 U	920 U	210 U	200 U	
Hexachlorobenzene	96,000	NS	180 U	180 U	180 U	920 U	210 U	200 U	
Atrazine	1,000,000	NS	360 U	350 U	350 U	1,800 U	420 U	390 U	
Pentachlorophenol	400,000	55,000	360 U	350 U	350 U	1,800 U	420 U	390 U	
Phenanthrene	NS	1,000,000	180 U	180 U	180 U	920 U	210 U	60 J	
Anthracene	230,000,000	1,000,000	180 U	180 U	180 U	920 U	210 U	200 U	
Carbazole	NS	NS	360 U	350 U	350 U	1,800 U	420 U	390 U	
Di-n-butylphthalate	82,000,000	NS	180 U	180 U	3200	100 J	150 J		
Fluoranthene	30,000,000	1,000,000	360 U	350 U	120 J	1,800 U	420 U	390 U	
Pyrene	23,000,000	1,000,000	180 U	180 U	120 J	920 U	210 U	200 U	
Butylbenzylphthalate	120,000,000	NS	180 U	180 U	180 U	920 U	210 U	200 U	
3,3-Dichlorobenzidine	510,000	NS	360 U	350 U	350 U	1,800 UJ	420 U	390 U	
Benzo(a)anthracene	290,000	11,000	180 U	180 U	68 J	920 U	210 U	200 U	
Chrysene	29,000,000	110,000	180 U	180 U	90 J	920 U	210 U	200 U	
Bis(2-ethylhexyl)phthalate	16,000,000	NS	96 J	180 U	180 U	51,000	1,800	9,500	
Di-n-octyl phthalate	8,200,000	NS	360 U	350 U	350 U	1,800 U	420 U	390 U	
Benz(b)fluoranthene	290,000	11,000	180 U	180 U	120 J	920 U	210 U	200 U	
Benz(k)fluoranthene	2,900,000	110,000	180 U	180 U	44 J	920 U	210 U	200 U	
Benz(a)pyrene	29,000	1,100	180 U	180 U	83 J	920 U	210 U	200 U	
Indeno(1,2,3-cd)pyrene	290,000	11,000	180 U	180 U	180 U	920 U	210 U	200 U	
Dibenzo(a,h)anthracene	29,000	1,100	180 U	180 U	180 U	920 U	210 U	200 U	
Benz(g,h,i)perylene	NS	1,000,000	180 U	180 U	180 U	920 U	210 U	200 U	
2,3,4,6-Tetrachlorophenol	25,000,000	NS	180 U	180 U	180 U	920 U	210 U	200 U	

**Notes:**

TCL SVOCs - Target compound list semivolatile organic compounds.

RST 3 Sample No. - Removal Support Team 3 Sample Number.

**Table 11: Soil Validated Analytical Results Summary Table - TCL PCBs**  
**Deferiet Paper Mill Site**  
**July 2017**

RST 3 Sample No.	EPA RMLs (Industrial Soil) <sup>1</sup>	NYSDEC Restricted Use SCOs (Industrial Soil) <sup>2</sup> 25,000	P001-SS001-01	P001-SS002-01	P001-SS002-02	P001-SS003-01	P001-SS004-01	P001-SS005-01
CLP Sample No.			BC8B5	BC8C0	BC8C1	BC8B9	BC8B8	BC8B7
Sampling Date			7/27/2017	7/27/2017	7/27/2017	7/27/2017	7/27/2017	7/27/2017
Sample Matrix			Soil	Soil	Soil	Soil	Soil	Soil
Aroclor-1016	51,000		36 U	35 U	35 U	36 U	42 U	39 U
Aroclor-1221	83,000		36 U	35 U	35 U	36 U	42 U	39 U
Aroclor-1232	72,000		36 U	35 U	35 U	36 U	42 U	39 U
Aroclor-1242	95,000		36 U	35 U	35 U	36 U	42 U	39 U
Aroclor-1248	95,000		36 U	35 U	35 U	36 U	42 U	39 U
Aroclor-1254	15,000		36 U	35 U	35 U	36 U	42 U	39 U
Aroclor-1260	99,000		<b>580</b>	<b>57 J</b>	<b>62</b>	36 U	<b>320</b>	39 U
Aroclor-1262	NS		36 U	35 U	35 U	36 U	42 U	39 U
Aroclor-1268	NS		36 U	35 U	35 U	36 U	42 U	39 U

**Notes:**

TCL PCBs - Target compound list polychlorinated biphenyls.

RST 3 Sample No. - Removal Support Team 3 Sample Number.

CLP Sample No. - Contract Laboratory Program Sample Number.

U - Indicates the analyte was analyzed for but not detected.

J - Indicates the reported value is an estimate.

<sup>1</sup> U.S. Environmental Protection Agency (EPA) Removal Management Levels (RMLs) for Industrial Soil correspond to a  $10^4$  Risk Level for Carcinogens or a Hazard Quotient (HQ) of 1 for Non-Carcinogens, May 2016.

<sup>2</sup> New York State Department of Environmental Conservation (NYSDEC) Restricted Use Soil Cleanup Objectives (SCOs) for industrial soil, obtained from NYSDEC 6 NYCRR Table 375 6.8 (b), December 14, 2006.

All soil analytical data, EPA RMLs for Industrial Soil and NYSDEC SCOS, are presented in micrograms per kilogram ( $\mu\text{g}/\text{kg}$ ).

**Bold value indicates detected concentration.**

**Table 12: Validated Analytical Results Summary Table - TCL Pesticides**  
**Deferiet Paper Mill Site**  
**July 2017**

RST 3 Sample No.	EPA RMLs (Industrial Soil) <sup>1</sup>	NYSDEC Restricted Use SCOs (Industrial Soil) <sup>2</sup>	P001-SS001-01	P001-SS002-01	P001-SS002-02	P001-SS003-01	P001-SS004-01	P001-SS005-01
CLP Sample No.			BC8B5	BC8C0	BC8C1	BC8B9	BC8B8	BC8B7
Sampling Date			7/27/2017	7/27/2017	7/27/2017	7/27/2017	7/27/2017	7/27/2017
Sample Matrix			Soil	Soil	Soil	Soil	Soil	Soil
alpha-BHC	36,000	6,800	1.8 U	1.8 U	1.8 U	1.8 U	2.1 U	2.0 U
beta-BHC	130,000	14,000	1.8 U	1.8 U	1.8 U	1.8 U	2.1 U	2.0 U
delta-BHC	NS	1,000,000	1.8 U	1.8 U	1.8 U	1.8 U	<b>3.5 J+</b>	2.0 U
gamma-BHC (Lindane)	250,000	23,000	1.8 U	1.8 U	1.8 U	1.8 U	2.1 U	2.0 U
Heptachlor	63,000	29,000	1.8 UJ	1.8 UJ	1.8 UJ	1.8 UJ	2.1 UJ	2.0 UJ
Aldrin	18,000	1,400	1.8 UJ	1.8 UJ	1.8 UJ	1.8 UJ	2.1 UJ	2.0 UJ
Heptachlor epoxide	15,000	NS	1.8 UJ	1.8 UJ	1.8 UJ	1.8 UJ	2.1 UJ	2.0 UJ
Endosulfan I	NS	920,000	1.8 UJ	1.8 UJ	1.8 UJ	1.8 UJ	2.1 UJ	2.0 UJ
Dieldrin	14,000	2,800	3.5 UJ	3.5 UJ	3.5 UJ	3.6 UJ	4.2 UJ	3.9 UJ
4,4'-DDE	930,000	NS	3.5 UJ	3.5 UJ	3.5 UJ	3.6 UJ	4.2 UJ	3.9 UJ
Endrin	250,000	410,000	3.5 UJ	3.5 UJ	3.5 UJ	3.6 UJ	4.2 UJ	3.9 UJ
Endosulfan II	NS	920,000	3.5 UJ	3.5 UJ	3.5 UJ	3.6 UJ	4.2 UJ	3.9 UJ
4,4'-DDD	960,000	NS	3.5 UJ	3.5 UJ	3.5 UJ	3.6 UJ	16 UJ	3.9 UJ
Endosulfan sulfate	NS	920,000	3.5 UJ	3.5 UJ	3.5 UJ	3.6 UJ	4.2 UJ	3.9 UJ
4,4'-DDT	520,000	NS	3.5 UJ	3.5 UJ	3.5 UJ	3.6 UJ	4.2 UJ	3.9 UJ
Methoxychlor	4,100,000	NS	18 UJ	18 UJ	18 UJ	18 UJ	22 UJ	20 UJ
Endrin ketone	NS	NS	3.5 UJ	3.5 UJ	3.5 UJ	3.6 UJ	4.2 UJ	3.9 UJ
Endrin aldehyde	NS	NS	3.5 UJ	3.5 UJ	3.5 UJ	3.6 UJ	4.2 UJ	3.9 UJ
alpha-Chlordane	NS	47,000	1.8 UJ	1.8 UJ	1.8 UJ	1.8 UJ	2.1 UJ	2.0 UJ
gamma-Chlordane	NS	NS	1.8 UJ	1.8 UJ	1.8 UJ	1.8 UJ	2.1 UJ	2.0 UJ
Toxaphene	210,000	NS	180 U	180 U	180 U	180 U	210 U	200 U

**Notes:**

TCL Pesticide - Target compound list pesticides.

RST 3 Sample No. - Removal Support Team 3 Sample Number.

CLP Sample No. - Contract Laboratory Program Sample Number.

U - Indicates the analyte was analyzed for but not detected.

J - Indicates the reported value is an estimate (+/- indicates high/low bias).

<sup>1</sup> U.S. Environmental Protection Agency (EPA) Removal Management Levels (RMLs) for Industrial Soil correspond to a  $10^4$  Risk Level for Carcinogens or a Hazard Quotient (HQ) of 1 for Non-Carcinogens, May 2016.

<sup>2</sup> New York State Department of Environmental Conservation (NYSDEC) Restricted Use Soil Cleanup Objectives (SCOs) for industrial soil, obtained from NYSDEC 6 NYCRR Table 375.6.8 (b), December 14, 2006.

All soil analytical data, EPA RMLs for Industrial Soil and NYSDEC SCOS, are presented in micrograms per kilogram ( $\mu\text{g}/\text{kg}$ ).

**Bold value indicates detected concentration.**

**Table 13: Soil Validated Analytical Results Summary Table - TAL Metals + Hg, and Total CN**  
**Deferiet Paper Mill Site**  
**July 2017**

RST 3 Sample No.	EPA RMLs (Industrial Soil) <sup>1</sup>	NYSDEC Restricted Use SCOs (Industrial Soil) <sup>2</sup>	P001-SS001-01	P001-SS002-01	P001-SS002-02	P001-SS003-01	P001-SS004-01	P001-SS005-01
CLP Sample No.			MBC8B5	MBC8C0	MBC8C1	MBC8B9	MBC8B8	MBC8B7
Sampling Date			7/27/2017	7/27/2017	7/27/2017	7/27/2017	7/27/2017	7/27/2017
Sample Matrix			Soil	Soil	Soil	Soil	Soil	Soil
Aluminum	1,100,000	NS	<b>1,980</b>	<b>1,530</b>	<b>1,830</b>	<b>1,710</b>	<b>2,170</b>	<b>2,600</b>
Antimony	470	NS	4.6 U	4.7 U	<b>4.8</b>	4.7 U	5.6 U	5.1 U
Arsenic	300	16	<b>2.2</b>	<b>8.6</b>	<b>6.3</b>	<b>1.1</b>	<b>4.2</b>	<b>8.1</b>
Barium	220,000	10,000	<b>23.0</b>	<b>20.6</b>	<b>25.5</b>	<b>32.6</b>	<b>54.6</b>	<b>74.6</b>
Beryllium	2,300	2,700	<b>0.24 J</b>	<b>0.23 J</b>	<b>0.25 J</b>	<b>0.19 J</b>	<b>0.30 J</b>	<b>0.37 J</b>
Cadmium	980	60	<b>1.4</b>	<b>0.81</b>	<b>1.1</b>	<b>1.1</b>	<b>4.4</b>	<b>3.3</b>
Calcium	NS	NS	<b>30,800</b>	<b>29,300 J</b>	<b>14,900 J</b>	<b>78,900</b>	<b>46,400</b>	<b>31,800</b>
Chromium	NS*	NS	<b>5.0</b>	<b>3.3 J</b>	<b>6.5 J</b>	<b>4.9</b>	<b>24.4</b>	<b>14.2</b>
Cobalt	350	NS	<b>1.9 J</b>	<b>2.1 J</b>	<b>2.0 J</b>	<b>1.6 J</b>	<b>4.9</b>	<b>4.2 J</b>
Copper	47,000	10,000	<b>76.7</b>	<b>22.5 J</b>	<b>138 J</b>	<b>90.6</b>	<b>176</b>	<b>101</b>
Iron	820,000	NS	<b>6,170</b>	<b>7,280</b>	<b>7,550</b>	<b>5,630</b>	<b>11,300</b>	<b>19,200</b>
Lead	800	3,900	<b>22.3</b>	<b>14.5</b>	<b>27.5</b>	<b>44.5</b>	<b>227</b>	<b>121</b>
Magnesium	NS	NS	<b>1,870</b>	<b>2,200</b>	<b>1,610</b>	<b>4,450</b>	<b>2,980</b>	<b>2,500</b>
Manganese	26,000	10,000	<b>103</b>	<b>95.4</b>	<b>92.0</b>	<b>175</b>	<b>134</b>	<b>172</b>
Nickel	22,000	10,000	<b>6.6</b>	<b>5.4</b>	<b>6.7</b>	<b>7.9</b>	<b>17.8</b>	<b>13.5</b>
Potassium	NS	NS	<b>253 J</b>	<b>255 J</b>	<b>306 J</b>	<b>357 J</b>	<b>405 J</b>	<b>458</b>
Selenium	5,800	6,800	2.7 U	2.7 U	2.7 U	2.8 U	3.3 U	3.0 U
Silver	5,800	6,800	0.76 U	0.78 UJ	<b>0.12 J</b>	<b>0.22 J</b>	<b>0.41 J</b>	<b>0.70 J</b>
Sodium	NS	NS	<b>250 J</b>	<b>443</b>	<b>505</b>	<b>88.7 J</b>	<b>140 J</b>	<b>171 J</b>
Thallium	12	NS	1.9 U	2.0 U	1.9 U	2.0 U	2.3 U	2.1 U
Vanadium	5,800	NS	<b>4.2</b>	<b>4.2</b>	<b>4.5</b>	<b>5.3</b>	<b>6.3</b>	<b>6.9</b>
Zinc	350,000	10,000	<b>57.6</b>	<b>41.0</b>	<b>56.9</b>	<b>349</b>	<b>181</b>	<b>249</b>
Mercury	46	5.7	<b>0.050 J</b>	<b>0.13</b>	<b>0.15</b>	<b>0.041 J</b>	<b>0.11</b>	<b>0.13</b>
Cyanide	150	10,000	0.52 U	0.52 U	0.52 U	<b>0.076 J</b>	<b>0.11 J</b>	<b>0.14 J</b>

**Notes:**

TAL Metals - Target analyte list metals.

RST 3 Sample No. - Removal Support Team 3 Sample Number.

Hg - Mercury, CN - Cyanide.

U - Indicates the analyte was analyzed for but not detected.

J - Indicates the reported value is an estimate.

<sup>1</sup> U.S. Environmental Protection Agency (EPA) Removal Management Levels (RMLs) for Industrial Soil correspond to a  $10^4$  Risk Level for Carcinogens or a Hazard Quotient (HQ) of 1 for Non-Carcinogens, May 2016.

<sup>2</sup> New York State Department of Environmental Conservation (NYSDEC) Restricted Use Soil Cleanup Objectives (SCOs) for industrial soil, obtained from NYSDEC 6 NYCRR Table 375 6.8 (b), December 14, 2006.

All soil analytical data, EPA RMLs for Industrial Soil and NYSDEC SCOS, are presented in milligrams per kilogram (mg/kg).

\*No specified EPA RML for total chromium; EPA RML for trivalent chromium in industrial soil is 1,800,00 mg/kg and 630 mg/kg for hexavalent chromium.

**Bold values indicate detected concentration.**

**Table 14: HazCat Field Screening Results Table**  
**Deferiet Paper Mill Site**  
**Deferiet, Jefferson County, New York**  
**June 19 - 21, 2017**

RST 3 Container No.	Layer	Matrix	Color	Clarity	Water Solubility	Xylene Solubility	Air Reactivity	Water Reactivity	pH	Oxidizer	Peroxide	Flammability	Chlorine Hot Wire	Cyanide	Chloride	Sulfide	PID Reading (ppm)	Comments
001	1	S	Brown	Op	PS	N	N	N	11	N	N	N	N	N	N	N	0	NA
002	1	L	Brown	Op	Y	N	N	N	--	N	N	N	N	N	N	N	0	Very viscous, too dark for pH; Due to characteristics of material, no pH was obtained.
003	1	L	Colorless	Clr	Y	N	N	N	10	N	N	N	N	N	N	N	0	NA
003	2	L	White	Cld	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Unable to obtain layer for testing
004	1	L	Colorless	Cld	Y	N	N	N	5	N	N	N	N	N	Y	N	0	Cream colored precipitate in chloride test
005	1	L	Black	Op	N	Y	N	N	6	N	N	N	N	N	NT	N	0	NA
006	1	L	Colorless	Clr	Y	N	N	N	4	N	N	N	N	N	Y	N	0	Cream precipitate in chloride test
007	1	L	White	Op	Y	N	N	N	6	N	N	N	N	N	N	N	0	Pasty
008	1	L	Brown	Op	Y	N	N	N	10	N	N	N	N	N	N	N	1	Effervesces during acid test
009	1	L	Light Yellow	Clr	Y	N	N	N	4	N	N	N	N	Y	N	3	NA	
016	1	L	Colorless	Clr	Y	N	N	N	7	N	N	N	N	N	N	N	0	NA
016	2	S	Black	Op	N	Y	N	N	--	N	N	N	N	N	N	N	0	Due to characteristics of material, no pH was obtained.
017	1	L	Yellow	Cld	N	Y	N	N	--	N	N	C	N	N	-	N	1	Due to characteristics of material, no pH was obtained.
017	2	L	Pink	Cld	Y	N	N	N	8	N	N	N	N	N	Y	N	0	NA
018	1	L	Yellow	Cld	Y	Y	N	N	12	N	N	N	N	N	Y	N	18	High alkalinity solutions can show a false chloride test – after lowering pH to < 7
019	1	L	Green	Cld	Y	N	N	N	9	N	N	C	N	N	Y	N	108	NA
020	1	L	Black	Op	N	Y	N	N	--	N	N	C	N	N	N	N	495	Due to characteristics of material, no pH was obtained.
021	1	L	Black	Op	N	Y	N	N	--	N	N	C	N	NT	NT	N	1	Viscous, oily
022	1	L	Black	Op	Y	Y	N	N	12	N	N	C	N	N	Y	N	0	Effervesces during acid test
023	1	L	Brown	Op	N	Y	N	N	--	N	N	N	N	NT	NT	N	0	Due to characteristics of material, no pH was obtained.
023	2	L	Colorless	Clr	Y	N	N	N	10	N	N	N	N	N	N	N	0	NA
024	1	L	Colorless	Clr	Y	N	N	N	7	N	N	N	N	N	N	N	4	NA
025	1	L	Grey	Op	Y	N	N	N	7	N	N	N	N	N	N	N	1	Thin oil layer on top. Could not collect for sampling.
026	1	L	Pink	Op	Y	N	N	N	14	N	N	N	N	N	N	N	22	NA
028	1	L	Purple	Op	N	Y	N	N	--	N	N	C	N	NT	N	N	80	Due to characteristics of material, no pH was obtained.
029	1	L	Brown	Op	Y	N	N	N	14	N	N	N	N	N	Y	0	High alkalinity solutions can show a false chloride test – after lowering pH to < 7	
030	1	L	Brown	Op	Y	N	N	N	9	N	N	N	N	N	N	N	0	Precipitate forms during acid test
030	2	L	Yellow	Op	Y	N	N	N	8	N	N	C	NT	N	N	N	0	Precipitate forms during acid test
031	1	L	Brown	Op	Y	N	N	N	9	N	N	N	N	N	N	N	0	Precipitate forms during acid test
031	2	L	Yellow	Op	Y	N	N	N	8	N	N	C	N	N	N	N	0	Precipitate forms during acid test
032	1	L	Brown	Op	Y	N	N	N	9	N	N	N	N	N	N	N	0	Precipitate forms during acid test
032	2	L	Yellow	Op	Y	N	N	N	8	N	N	C	NT	N	N	N	0	Precipitate forms during acid test

**Notes:**

RST 3 = Removal Support Team 3; No. = Number; Y = Positive test result; N = Negative test result; PS = Partially Soluble; C = Combustible; NT = Not tested; P = Possible; PID - Photo ionization detector; ppm - parts per million; L = Liquid; S = Solid; Clr = Clear; Cld = Cloudy; Op = Opaque, NA = Not Applicable

**Table 14: HazCat Field Screening Results Table**  
**Deferiet Paper Mill Site**  
**Deferiet, Jefferson County, New York**  
**June 19 - 21, 2017**

RST 3 Container No.	Layer	Matrix	Color	Clarity	Water Solubility	Xylene Solubility	Air Reactivity	Water Reactivity	pH	Oxidizer	Peroxide	Flammability	Chlorine Hot Wire	Cyanide	Chloride	Sulfide	PID Reading (ppm)	Comments
033	1	L	Brown	Op	Y	N	N	N	9	N	N	N	N	N	N	N	0	Precipitate forms during acid test
033	2	L	Yellow	Op	Y	N	N	N	8	N	N	C	NT	N	N	N	0	Precipitate forms during acid test
034	1	L	Brown	Op	Y	N	N	N	14	N	N	N	N	Y	N	0	High alkalinity solutions can show a false chloride test – after lowering pH to < 7	
035	1	S	White	Op	Y	N	N	N	7	N	N	N	N	N	N	N	0	NA
036	1	L	Brown	Op	Y	N	N	N	14	N	N	N	N	Y	N	0	High alkalinity solutions can show a false chloride test – after lowering pH to < 7	
037	1	S	White	Op	Y	N	N	N	7	N	N	N	N	N	N	0	NA	
038	1	L	Colorless	Clr	Y	N	N	N	4	N	N	N	N	Y	N	0	Emulsion forms in cyanide test	
038	2	L	Colorless	Cld	Y	N	N	N	4	N	N	N	N	N	N	N	0	Emulsion forms in cyanide test
040	1	L	Yellow	Cld	Y	Y	N	N	11	N	N	N	N	N	N	N	3	Effervesces in acid test
041	1	L	Amber	Op	Y	N	N	N	9	N	N	N	N	Y	N	0	Viscous, cream/brown precipitate forms in chloride test	
042	1	L	Brown	Op	Y	N	N	N	14	N	N	N	N	N	N	0	NA	
043	1	L	Brown	Op	Y	N	N	N	11	N	N	N	N	N	N	0	White precipitate in acid test	
043	2	S	White	Op	Y	N	N	N	9	N	P	N	N	N	N	0	Very slight peroxide indicator - 0.5 mg/L	
045	1	L	Brown	Op	Y	N	N	N	6	N	N	N	N	N	N	2	Precipitate forms in acid test	
046	1	L	Colorless	Clr	Y	N	N	N	12	N	N	N	N	N	N	1	NA	
047	1	L	Brown	Op	Y	Y	N	N	12	N	N	N	N	N	N	20	NA	
048	1	L	Yellow	Cld	Y	Y	N	N	11	N	N	N	N	N	N	3	NA	
049	1	L	Yellow	Cld	Y	N	N	N	12	N	N	N	N	Y	N	0	Effervesces during acid test; white precipitate forms from chloride test	
050	1	L	Brown	Op	Y	N	N	N	7	N	N	N	N	N	N	0	NA	
051	1	Gel	Yellow	Op	PS	Y	N	N	3	N	N	N	N	N	N	0	NA	
052	1	L	Dark Brown	Op	Y	N	N	N	7	N	N	N	N	N	N	2	NA	
053	1	L	Yellow	Cld	Y	Y	N	N	11	N	N	N	N	N	N	3	NA	
054	1	L	Light Green	Clr	Y	N	N	N	4	N	N	N	N	Y	N	1	NA	
055	1	L	Amber	Op	Y	N	N	N	2	N	N	N	N	N	N	1	White precipitate forms during acid test	
056	1	L	Light Brown	Cld	Y	N	N	N	8	N	N	N	N	N	N	0	White precipitate forms during acid test; Unable to test thin layer at bottom of jar.	
057	1	L	Colorless	Clr	Y	Y	N	N	7	N	N	Y	N	N	N	108	Effervesces during acid test	
058	1	L	Yellow	Cld	Y	Y	N	N	11	N	N	N	N	N	N	3	NA	
059	1	L	Yellow	Cld	Y	Y	N	N	11	N	N	N	N	N	N	3	NA	
060	1	L	Colorless	Cld	Y	N	N	N	7	N	N	N	N	N	N	0	Suspended solids	
061	1	Gel	Brown	Op	N	Y	N	N	--	N	N	N	N	NT	N	20	Due to characteristics of material, no pH was obtained.	
063	1	L	Yellow	Op	Y	Y	N	N	11	N	N	N	N	N	N	3	NA	
064	1	L	Black	Op	N	Y	N	N	4	N	N	N	N	NT	N	0	Oily sludge	
065	1	L	Colorless	Clr	Y	N	N	N	5	N	N	N	N	NT	N	3	NA	

**Notes:**

RST 3 = Removal Support Team 3; No. = Number; Y = Positive test result; N = Negative test result; PS = Partially Soluble; C = Combustible; NT = Not tested; P = Possible; PID - Photo ionization detector; ppm - parts per million; L = Liquid; S = Solid; Clr = Clear; Cld = Cloudy; Op = Opaque, NA = Not Applicable

**Table 14: HazCat Field Screening Results Table**  
**Deferiet Paper Mill Site**  
**Deferiet, Jefferson County, New York**  
**June 19 - 21, 2017**

RST 3 Container No.	Layer	Matrix	Color	Clarity	Water Solubility	Xylene Solubility	Air Reactivity	Water Reactivity	pH	Oxidizer	Peroxide	Flammability	Chlorine Hot Wire	Cyanide	Chloride	Sulfide	PID Reading (ppm)	Comments
066	1	L	Cream	Op	N	N	N	N	--	N	N	N	N	N	N	N	0	Due to characteristics of material, no pH was obtained.
070	1	L	Amber	Cld	N	Y	N	N	--	N	N	C	N	N	NT	N	4	Viscous, similar to new oil
071	1	L	Colorless	Clr	N	Y	N	N	4	N	P	N	N	N	NT	N	402	Very slight peroxide - 0.5 mg/L
072	1	L	Amber	Op	N	Y	N	N	--	N	N	N	N	N	NT	N	3	Due to characteristics of material, no pH was obtained.
073	1	L	Amber	Op	N	Y	N	N	--	N	N	N	N	N	N	N	1	Slightly viscous
074	1	L	Light Green	Clr	N	Y	N	N	--	N	N	N	N	N	N	N	591	Due to characteristics of material, no pH was obtained.
075	1	L	Green	Clr	N	Y	N	N	--	N	N	N	N	N	N	N	591	Due to characteristics of material, no pH was obtained.
076	1	S	Black	Op	N	Y	N	N	--	N	N	C	N	N	NT	N	0	Tar-like; Due to characteristics of material, no pH was obtained.
077	1	L	Green	Clr	Y	Y	N	N	7	N	N	Y	N	N	N	N	300	Slight precipitate forms in acid test
078	1	L	White/grey	Cld	Y	N	N	N	7	N	N	N	N	N	N	N	7	Viscous
079	1	L	Light Yellow	Clr	Y	N	N	N	8	N	N	N	N	N	Y	N	2	Slight precipitate from sulfide test
081	1	L	Light Yellow	Clr	PS	Y	N	N	7	N	N	N	N	N	NT	N	105	Emulsion forms with water; precipitate forms in acid test
084	1	S	White Gel	Op	Y	Y	N	N	7	N	N	N	N	N	N	N	79	White emulsion forms when placed in water
085	1	L	Light yellow	Clr	Y	N	N	N	6	N	N	N	N	N	N	N	0	Slight precipitate forms in acid test
086	1	L	Light yellow	Clr	Y	N	N	N	6	N	N	N	N	N	N	N	150	NA
087	1	L	Colorless	Clr	N	Y	N	N	--	N	N	Y	N	N	NT	N	680	Slight precipitate from sulfide test; Due to characteristics of material, no pH was obtained.
088	1	L	Colorless	Clr	Y	N	N	N	7	N	N	N	N	N	N	N	0	NA
090	1	S	Black	Op	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Burnt wood / ashes - no test performed
092	1	L	Amber	Clr	Y	N	N	N	11	N	N	N	N	Y	N	N	5	Precipitate forms on acid test
093	1	S	Amber Gel	Op	N	P	N	N	--	N	N	C	N	N	NT	N	8	NA
104	1	L	Brown	Op	N	Y	N	N	11	-	N	C	N	N	NT	N	5	Slight precipitate from oxidizer test
105	1	L	Colorless	Cld	Y	N	N	N	7	N	N	N	N	N	N	N	1	Slightly viscous
106	1	L	Amber	Op	N	Y	N	N	--	N	N	N	N	N	N	N	5	NA
107	1	L	Colorless	Clr	Y	N	N	N	14	N	N	C	N	N	Y	N	0	Brown precipitate forms on chloride test
108	1	L	Light Green	Op	Y	N	N	N	3	N	N	N	N	N	Y	N	24	NA
109	1	L	Colorless	Clr	Y	N	N	N	8	Y	N	N	N	N	N	N	8	NA
110	1	L	Gold	Cld	N	Y	N	N	4	N	N	C	N	N	NT	N	8	NA

**Notes:**

RST 3 = Removal Support Team 3; No. = Number; Y = Positive test result; N = Negative test result; PS = Partially Soluble; C = Combustible; NT = Not tested; P = Possible; PID - Photo ionization detector; ppm - parts per million; L = Liquid; S = Solid; Clr = Clear; Cld = Cloudy; Op = Opaque, NA = Not Applicable

**Table 15: Container Inventory Table**  
**Deferiet Paper Mill Site**  
**Deferiet, Jefferson County, New York**  
**June 19 - 21, 2017**

RST 3 Container No.	Location	Location Description	Date	Container Size	Container Type	Container Top	Container Condition	VOC Headspace (ppm)	Container Content (%)	Content Layer 1 (Clarity/Color/Matrix)	Content Layer 2 (Clarity/Color/Matrix)	Labels/Markings	Product Description	Company Labels	Comments	Analytical Sample Collected	Analytical Sample ID
001	Fire Department	Garage Area	6/19/2017	275 - Gal	Poly Tote	Bung	Poor	0	10-20%	Brown/Solid/Crystallized Material on Bottom	No Additional Layer Obsereved	No Labels or Markings Observed	None	No Label Observed	Container tipped over. Suspected leaking from the bottom.	N	NA
002	Fire Department	Garage Area	6/19/2017	275 - Gal	Poly Tote	None	Poor	0	20-30%	Opaque/Dark Brown/Sludge	No Additional Layer Obsereved	Hazard Labels and Markings	UN Number 2801	Container MaNo Label Observedgement Services	UN Number 2801	N	NA
003	Fire Department	Garage Area	6/19/2017	275 - Gal	Poly Tote	None	Poor	0	60-70%	Cloudy/White/Liquid	No Additional Layer Obsereved	Product information, Hazard Labels, and Markings	Coagulatent	No Label Observed	NA	N	NA
004	Fire Department	Garage Area	6/19/2017	275 - Gal	Poly Tote	Bung	Poor	0	80-90%	Cloudy/White/Liquid	Opaque/Oily/Dark Amber	Hazard Labels and Markings	None	BASF	Class 8 Corrosive Label	N	NA
005	Fire Department	Garage Area	6/19/2017	275 - Gal	Poly Tote	None	Poor	0	<5%	Opaque/Dark Brown/Sludge	No Additional Layer Obsereved	Hazard Labels and Markings	None	No Label Observed	NA	N	NA
006	Fire Department	Garage Area	6/19/2017	275 - Gal	Poly Tote	None	Poor	0	80-90%	Cloudy/Liquid	No Additional Layer Obsereved	No Labels or Markings Observed	None	No Label Observed	NA	Y	P001-LW-006
007	Fire Department	Garage Area	6/19/2017	275 - Gal	Poly Tote	Bung	Poor	5	20-30%	Opaque/White/Paste	No Additional Layer Obsereved	Product information, Hazards labels, and Markings	Paper Mill Deposit Control Agent	DuBois	Class 8 Corrosive Label	N	NA
008	Fire Department	Garage Area	6/19/2017	325- Gal	Poly Tote	None	Poor	0	80-90%	Opaque/Oily/Dark Amber	No Additional Layer Obsereved	No Labels or Markings Observed	None	No Label Observed	NA	Y	P001-LW-008
009	Fire Department	Garage Area	6/19/2017	350 - Gal	Poly Tote	None	Poor	1	80-90%	Clear/Light Yellow/Liquid	No Additional Layer Obsereved	No Labels or Markings Observed	None	No Label Observed	NA	N	NA
010	Fire Department	Garage Area	6/19/2017	275 - Gal	Poly Tote	Bung	Poor	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	No Label Observed	Unable to access Container. No headspace reading or sample collected.	N	NA
011	Fire Department	Garage Area	6/19/2017	275 - Gal	Poly Tote	Bung	Poor	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	No Label Observed	Unable to access Container. No headspace reading or sample collected.	N	NA
012	Fire Department	Garage Area	6/19/2017	275 - Gal	Poly Tote	Bung	Poor	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	No Label Observed	Unable to access Container. No headspace reading or sample collected.	N	NA
013	Fire Department	Garage Area	6/19/2017	275 - Gal	Poly Tote	Bung	Poor	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	No Label Observed	Unable to access Container. No headspace reading or sample collected.	N	NA
014	Fire Department	Garage Area	6/19/2017	275 - Gal	Poly Tote	Bung	Poor	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	No Label Observed	Unable to access Container. No headspace reading or sample collected.	N	NA
015	Fire Department	Garage Area	6/19/2017	275 - Gal	Poly Tote	Bung	Poor	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	No Label Observed	Unable to access Container. No headspace reading or sample collected.	N	NA
016	Fire Department	Garage Area	6/19/2017	85 - Gal	Poly Tote	Closed Top	Poor	0	90-100%	Opaque/Brown/Liquid	Dark/Solid Particulates	Product Information	None	Envirotrack	Shipping information for Essex Environmental Industries Inc.	N	NA
017	Fire Department	Garage Area	6/19/2017	55 - Gal	Poly Drum	Bung	Poor	0	20-30%	Clear/Pink/Liquid	No Additional Layer Obsereved	Product information, Hazard Labels, and Markings	Glycol Based Antifreeze	Slack Chemical Company	One bung is missing.	N	NA
018	Fire Department	Garage Area	6/19/2017	55 - Gal	Poly Drum	Bung	Poor	0	30-40%	Clear/Yellow/Liquid	No Additional Layer Obsereved	No Labels or Markings Observed	None	No Label Observed	One bung is missing.	N	NA
019	Fire Department	Garage Area	6/19/2017	55 - Gal	Poly Drum	Bung	Poor	0	20-30%	Clear/Green/Liquid	No Additional Layer Obsereved	Product information, Hazard Labels, and Markings	None	BetzDearborn	One bung is missing.	N	NA
020	Fire Department	Garage Area	6/19/2017	55 - Gal	Poly Drum	Bung	Poor	564	30-40%	Dark Brown/Oily/Liquid	No Additional Layer Obsereved	Hazard Labels and Markings	None	No Label Observed	Container is bulging.	Y	P001-LW-020
021	Fire Department	Garage Area	6/19/2017	55 - Gal	Poly Drum	Bung	Poor	0	<5%	Black/Sludge	No Additional Layer Obsereved	No Labels or Markings Observed	None	No Label Observed	One bung is missing.	Y	P001-LW-021
022	Fire Department	Garage Area	6/19/2017	55 - Gal	Poly Drum	Bung	Poor	0	20-30%	Cloudy/Brown/Oily/Liquid	No Additional Layer Obsereved	No Labels or Markings Observed	None	No Label Observed	NA	N	NA
023	Fire Department	Garage Area	6/19/2017	55 - Gal	Poly Drum	Bung	Poor	0	60-70%	Cloudy/DarkYellow/Sludge	Cloudy/Yellow/Sludge	No Labels or Markings Observed	None	No Label Observed	One bung is missing.	N	NA
024	Fire Department	Garage Area	6/19/2017	55 - Gal	Poly Drum	Bung	Poor	0	20-30%	Clear/Colorless/Liquid	No Additional Layer Obsereved	Product Information	None	Clarinet Corporation	NA	N	NA
025	Fire Department	Garage Area	6/19/2017	55 - Gal	Steel Drum	Bung	Poor	0	10-20%	Cloudy/Brown/Liquid	No Additional Layer Obsereved	No Labels or Markings Observed	None	No Label Observed	NA	N	NA
026	Fire Department	Garage Area	6/19/2017	30 - Gal	Poly Drum	Bung	Poor	0	40-50%	Cloudy/Pink/Liquid	No Additional Layer Obsereved	No Labels or Markings Observed	None	No Label Observed	NA	Y	P001-LW-026
027	Fire Department	Garage Area	6/19/2017	55 - Gal	Steel Drum	Bung	Poor	Unknown	Unknown	Not Sampled	No Additional Layer Obsereved	No Labels or Markings Observed	None	No Label Observed	Could not open container. No headspace reading or sample collected.	N	NA

**Notes:**

RST 3 - Weston Solutions, Inc. Removal Support Team 3

No - Number

NA - Not Applicable

N - No

Y - Yes

Gal - Gallons

ppm - parts per million

VOC - Volatile Organic Compound

% - Percent

Labels, placards, or additional identifying markings located on all containers were recorded based on access. Containers where access was limited may have additional marking information not observed during the June 2017 sampling event.

**Table 15: Container Inventory Table**  
**Deferiet Paper Mill Site**  
**Deferiet, Jefferson County, New York**  
**June 19 - 21, 2017**

RST 3 Container No.	Location	Location Description	Date	Container Size	Container Type	Container Top	Container Condition	VOC Headspace (ppm)	Container Content (%)	Content Layer 1 (Clarity/Color/Matrix)	Content Layer 2 (Clarity/Color/Matrix)	Labels/Markings	Product Description	Company Labels	Comments	Analytical Sample Collected	Analytical Sample ID
028	Fire Department	Garage Area	6/19/2017	55 - Gal	Poly Drum	Bung	Poor	0	20-30%	Opaque/Oily/Dark Amber/Liquid	No Additional Layer Obsereved	No Labels or Markings Observed	None	No Label Observed	Label is too damaged to read. One bung is missing.	Y	P001-LW-028
029	Fire Department	Garage Area	6/19/2017	55 - Gal	Poly Drum	Bung	Poor	0	<5%	Opaque/Oily/Dark Amber/Liquid	No Additional Layer Obsereved	No Labels or Markings Observed	None	No Label Observed	One bung is missing.	Y	P001-LW-029
030	Fire Department	Garage Area	6/19/2017	55 - Gal	Poly Drum	Bung	Poor	0	70-80%	Clear/Brown/Liquid	Opaque/Yellow/Sludge	Product Information	None	No Label Observed	NA	N	NA
031	Fire Department	Garage Area	6/19/2017	55 - Gal	Poly Drum	Bung	Poor	0	70-80%	Clear/Brown/Liquid	Opaque/Yellow/Sludge	Product Information	None	No Label Observed	NA	Y	P001-LW-031
032	Fire Department	Garage Area	6/19/2017	55 - Gal	Poly Drum	Bung	Poor	0	70-80%	Clear/Brown/Liquid	Opaque/Yellow/Sludge	Product Information	None	No Label Observed	NA	N	NA
033	Fire Department	Garage Area	6/19/2017	55 - Gal	Poly Drum	Bung	Poor	0	70-80%	Clear/Brown/Liquid	Opaque/Yellow/Sludge	Product Information	None	No Label Observed	NA	N	NA
034	Fire Department	Garage Area	6/19/2017	55 - Gal	Poly Drum	Bung	Poor	0	70-80%	Opaque/Amber/Oily Liquid	No Additional Layer Obsereved	Hazard Labels and Markings	None	No Label Observed	Class 8 Corrosive Label. Rest of label too faded to read. Drum is bulging. One bung is missing.	Y	P001-LW-034
035	Fire Department	Garage Area	6/19/2017	55 - Gal	Fiber Drum	None	Poor	0	50-60%	Poly Garbage Bag with White Powder	No Additional Layer Obsereved	No Labels or Markings Observed	None	No Label Observed	Drum is Dented. One bung is missing.	N	NA
036	Fire Department	Garage Area	6/19/2017	55 - Gal	Poly Drum	Bung	Poor	0	40-50%	Opaque/Amber/Oily Liquid	No Additional Layer Obsereved	No Labels or Markings Observed	None	No Label Observed	One bung is missing.	N	NA
037	Fire Department	Garage Area	6/19/2017	30 - Gal	Fiber Drum	None	Poor	0	80-90%	Poly Garbage Bag with White Powder	No Additional Layer Obsereved	No Labels or Markings Observed	None	No Label Observed	NA	N	NA
038	Fire Department	Garage Area	6/19/2017	55 - Gal	Poly Drum	Bung	Poor	0	70-80%	Clear/Colorless/Gel	No Additional Layer Obsereved	No Labels or Markings Observed	None	No Label Observed	One bung is missing. Container is bulging.	N	NA
039	Fire Department	Garage Area	6/19/2017	55 - Gal	Poly Drum	Bung	Poor	0	Empty	Empty	No Additional Layer Obsereved	No Labels or Markings Observed	None	No Label Observed	Drum is dented. Container is empty. No sample collected.	N	NA
040	Fire Department	Garage Area	6/19/2017	55 - Gal	Poly Drum	Bung	Poor	0	50-60%	Cloudy/Yellow/Liquid	No Additional Layer Obsereved	No Labels or Markings Observed	None	No Label Observed	One bung is missing.	Y	P001-LW-040
041	Fire Department	Garage Area	6/19/2017	55 - Gal	Steel Drum	Bung	Poor	0	40-50%	Cloudy/Dark Brown/Liquid	No Additional Layer Obsereved	Product information, Hazard Labels, and Markings	None	No Label Observed	NA	N	NA
042	Fire Department	Garage Area	6/19/2017	55 - Gal	Poly Drum	Bung	Poor	0	10-20%	Opaque/Amber/Oily Liquid	No Additional Layer Obsereved	No Labels or Markings Observed	None	No Label Observed	NA	N	NA
043	Fire Department	Garage Area	6/19/2017	55 - Gal	Poly Drum	Bung	Poor	0	20-30%	Opaque/Yellow/Sludge	No Additional Layer Obsereved	Product Information	None	Clariant Corporation	Both bungs are missing.	Y	P001-LW-043
044	Fire Department	Garage Area	6/19/2017	55 - Gal	Steel Drum	Bung	Poor	0	70-80%	Filled with Rags	No Additional Layer Obsereved	No Labels or Markings Observed	None	No Label Observed	No Sample collected.	N	NA
045	Fire Department	Garage Area	6/19/2017	55 - Gal	Steel Drum	Bolt-Ring	Poor	0	20-30%	Opaque/Brown/Liquid	No Additional Layer Obsereved	No Labels or Markings Observed	None	No Label Observed	55 gal drum inside of a 85 gal overpack. No sample collected.	Y	P001-LW-045
046	Fire Department	Garage Area	6/19/2017	55 - Gal	Poly Drum	Bung	Poor	115	60-70%	Clear/Colorless/Liquid	No Additional Layer Obsereved	No Labels or Markings Observed	None	No Label Observed	NA	Y	P001-LW-046
047	Fire Department	Garage Area	6/19/2017	55 - Gal	Poly Drum	Bung	Poor	362	20-30%	Opaque/Amber/Oily Liquid	No Additional Layer Obsereved	No Labels or Markings Observed	None	No Label Observed	Hose attached to one of the bung openings.	Y	P001-LW-047
048	Fire Department	Garage Area	6/19/2017	55 - Gal	Poly Drum	Bung	Poor	0	20-30%	Opaque/Orange/Liquid	No Additional Layer Obsereved	No Labels or Markings Observed	None	No Label Observed	NA	N	NA
049	Fire Department	Garage Area	6/19/2017	55 - Gal	Poly Drum	None	Poor	0	80-90%	Cloudy/Liquid/Suspect Rain Water	Unknown Solidified Material	No Labels or Markings Observed	None	No Label Observed	One bung is missing.	Y	P001-LW-049
050	Fire Department	Garage Area	6/19/2017	30 - Gal	Steel Drum	Latch Ring	Poor	0	40-50%	Discarded Piece of Poly Liner	Cloudy/Dark Brown/Liquid	No Labels or Markings Observed	None	No Label Observed	NA	N	NA
051	Fire Department	Garage Area	6/19/2017	55 - Gal	Poly Drum	Bung	Poor	0	<5%	Clear/Yellow/Gel	No Additional Layer Obsereved	No Labels or Markings Observed	None	No Label Observed	One bung is missing.	N	NA
052	Fire Department	Garage Area	6/19/2017	55 - Gal	Poly Drum	Bung	Poor	7	20-30%	OpaqueAmber/Oily/ Liquid	No Additional Layer Obsereved	No Labels or Markings Observed	None	No Label Observed	NA	N	NA
053	Fire Department	Garage Area	6/19/2017	55 - Gal	Poly Drum	Bung	Poor	0	10-20%	Cloudy/Yellow/Liquid	No Additional Layer Obsereved	No Labels or Markings Observed	None	No Label Observed	One bung is missing.	N	NA
054	Fire Department	Garage Area	6/19/2017	55 - Gal	Poly Drum	Bung	Poor	0	<5%	Clear/Yellow/liquid	No Additional Layer Obsereved	No Labels or Markings Observed	None	No Label Observed	NA	N	NA
055	Fire Department	Garage Area	6/19/2017	55 - Gal	Poly Drum	Bung	Poor	0	40-50%	Cloudy/Red/Liquid	No Additional Layer Obsereved	No Labels or Markings Observed	None	No Label Observed	One bung is missing.	Y	P001-LW-055

**Notes:**

RST 3 - Weston Solutions, Inc. Removal Support Team 3

No - Number

NA - Not Applicable

N - No

Y - Yes

Gal - Gallons

ppm - parts per million

VOC - Volatile Organic Compound

% - Percent

Labels, placards, or additional identifying markings located on all containers were recorded based on access. Containers where access was limited may have additional marking information not observed during the June 2017 sampling ev

**Table 15: Container Inventory Table**  
**Deferiet Paper Mill Site**  
**Deferiet, Jefferson County, New York**  
**June 19 - 21, 2017**

RST 3 Container No.	Location	Location Description	Date	Container Size	Container Type	Container Top	Container Condition	VOC Headspace (ppm)	Container Content (%)	Content Layer 1 (Clarity/Color/Matrix)	Content Layer 2 (Clarity/Color/Matrix)	Labels/Markings	Product Description	Company Labels	Comments	Analytical Sample Collected	Analytical Sample ID
056	Fire Department	Garage Area	6/19/2017	55 - Gal	Poly Drum	Bung	Poor	0	60-70%	Clear/Brown/Liquid	Opaque/Yellow/Sludge	No Labels or Markings Observed	None	No Label Observed	NA	Y	P001-LW-056
057	Fire Department	Garage Area	6/19/2017	55 - Gal	Steel Drum	Bung	Poor	108	60-70%	Clear/Colorless/Liquid	No Additional Layer Obsereved	No Labels or Markings Observed	None	No Label Observed	NA	Y	P001-LW-057
058	Fire Department	Garage Area	6/19/2017	55 - Gal	Poly Drum	Bung	Poor	0	20-30%	Cloudy/Yellow/Liquid	No Additional Layer Obsereved	No Labels or Markings Observed	None	No Label Observed	NA	N	NA
059	Fire Department	Garage Area	6/19/2017	55 - Gal	Poly Drum	Bung	Poor	0	40-50%	Cloudy/Yellow/Liquid	No Additional Layer Obsereved	No Labels or Markings Observed	None	No Label Observed	NA	N	NA
060	Fire Department	Garage Area	6/19/2017	55 - Gal	Poly Drum	Bung	Poor	0	20-30%	Cloudy/Liquid	No Additional Layer Obsereved	No Labels or Markings Observed	None	No Label Observed	Container top is open.	N	NA
061	Fire Department	Garage Area	6/19/2017	55 - Gal	Steel Drum	Other	Poor	0	80-90%	Opaque/Brown/Sludge	No Additional Layer Obsereved	No Labels or Markings Observed	None	No Label Observed	NA	N	NA
062	Fire Department	Garage Area	6/19/2017	55 - Gal	Steel Drum	Bung	Poor	Unknown	Unknown	Unknown	No Additional Layer Obsereved	No Labels or Markings Observed	None	No Label Observed	Unable to access Container. No headspace reading or sample collected.	N	NA
063	Fire Department	Garage Area	6/19/2017	55 - Gal	Poly Drum	Bung	Poor	0	20-30%	Cloudy/Yellow/Liquid	No Additional Layer Obsereved	No Labels or Markings Observed	None	No Label Observed	One bung is missing.	N	NA
064	Fire Department	Garage Area	6/19/2017	55 - Gal	Poly Drum	Bung	Poor	0	<5%	Dark Brown/Sludge	No Additional Layer Obsereved	No Labels or Markings Observed	None	No Label Observed	Both bungs are missing. Container is less than one inch full	N	NA
065	Fire Department	Garage Area	6/19/2017	55 - Gal	Poly Drum	Bung	Poor	0	<5%	Cloudy/Colorless/Liquid	No Additional Layer Obsereved	No Labels or Markings Observed	None	No Label Observed	NA	N	NA
066	Fire Department	Garage Area	6/19/2017	55 - Gal	Steel Drum	Bung	Poor	0	<5%	Cloudy/Yellow/Sludge	No Additional Layer Obsereved	No Labels or Markings Observed	None	No Label Observed	NA	N	NA
067	Fire Department	Garage Area	6/19/2017	55 - Gal	Steel Drum	Bung	Poor	Unknown	Unknown	Unknown	No Additional Layer Obsereved	Unknown	Unknown	Unknown	Unable to access Container. No headspace reading or sample collected.	N	NA
068	Fire Department	Garage Area	6/19/2017	55 - Gal	Steel Drum	Bung	Poor	Unknown	Unknown	Unknown	No Additional Layer Obsereved	Unknown	Unknown	Unknown	Unable to access Container. No headspace reading or sample collected.	N	NA
069	Fire Department	Garage Area	6/19/2017	55 - Gal	Steel Drum	Bung	Poor	Unknown	Unknown	Unknown	No Additional Layer Obsereved	Unknown	Unknown	Unknown	Unable to access Container. No headspace reading or sample collected.	N	NA
070	Fire Department	Garage Area	6/20/2017	5 - Gal	Bucket	Bung	Fair	0	80-90%	Clear/Dark Yellow/Viscous Liquid	No Additional Layer Obsereved	Product information, Hazard Labels, and Markings	Industrial Gear Oil	FiNo Label Observed! Oil and Chemical Company	NA	N	NA
071	Fire Department	Garage Area	6/20/2017	5 - Gal	Bucket	Bung	Poor	402	50-60%	Clear/Light Yellow/Liquid	No Additional Layer Obsereved	Product information, Hazard Labels, and Markings	Petroleum Noneptha, 1,8 (9) P-Menthadiene	Varn InterNo Label Observed! No Label Observed!	NA	N	NA
072	Fire Department	Garage Area	6/20/2017	5 - Gal	Bucket	Bung	Fair	0	50-60%	Cloudy/Brown/Liquid	No Additional Layer Obsereved	Product information, Hazard Labels, and Markings	AW-32 Hydraulic Fluid	No Label Observed	One bung is missing.	N	NA
073	Fire Department	Garage Area	6/20/2017	5 - Gal	Bucket	Bung	Fair	0	40-50%	Clear/Brown/Viscous Liquid	No Additional Layer Obsereved	Product information, Hazard Labels, and Markings	AW-46 Hydraulic Fluid	Altar Performance Products	One bung is missing.	N	NA
074	Fire Department	Garage Area	6/20/2017	5 - Gal	Bucket	Bung	Poor	427	70-80%	Clear/Green/Liquid	No Additional Layer Obsereved	Product information, Hazard Labels, and Markings	Roller and Blanket Wash	Bingham Company	MSDS attached to container.	N	NA
075	Fire Department	Garage Area	6/20/2017	5 - Gal	Bucket	Bung	Poor	359	30-40%	Clear/Green/Liquid	No Additional Layer Obsereved	Product information, Hazard Labels, and Markings	Roller and Blanket Wash	Bingham Company	NA	N	NA
076	Fire Department	Garage Area	6/20/2017	5 - Gal	Bucket	Bung	Poor	0	70-80%	Opaque/Black/Sludge	No Additional Layer Obsereved	Product information, Hazard Labels, and Markings	None	Sun Chemical Corporation	NA	N	NA
077	Fire Department	Garage Area	6/20/2017	5 - Gal	Bucket	Bung	Poor	482	30-40%	Clear/Green/Liquid	No Additional Layer Obsereved	Product information, Hazard Labels, and Markings	Roller and Blanket Wash	Bingham Company	NA	Y	P001-LW-077
078	Fire Department	Garage Area	6/20/2017	5 - Gal	Bucket	Bung	Poor	0	70-80%	Cloudy/White/Liquid	No Additional Layer Obsereved	No Labels or Markings Observed	None	No Label Observed	NA	N	NA
079	Fire Department	Garage Area	6/20/2017	5 - Gal	Bucket	Bung	Fair	0	60-70%	Cloudy/Light Yellow/Liquid	No Additional Layer Obsereved	Product Information	None	Sherwin Williams	Label is too faded to read.	N	NA
080	Fire Department	Garage Area	6/20/2017	< 5 - Gal	Paint Can	Other	Poor	0	NA	NA	No Additional Layer Obsereved	No Labels or Markings Observed	None	No Label Observed	No sample collected.	N	NA
081	Fire Department	Garage Area	6/20/2017	5 - Gal	Other	Closed Top	Fair	0	50-60%	Cloudy/Light Yellow/Liquid	No Additional Layer Obsereved	Product information, Hazard Labels, and Markings	Polyfloc AE 1138	BetzDearborn	Poly bucket. Label is too faded to read.	N	NA
082	Fire Department	Garage Area	6/20/2017	5 - Gal	Other	Closed Top	Poor	0	Empty	NA	No Additional Layer Obsereved	Product information	Roller and Blanket Wash	Varn	No sample collected.	N	NA
083	Fire Department	Garage Area	6/20/2017	5 - Gal	Other	Closed Top	Fair	0	30-40%	Brown/Solidified Material	No Additional Layer Obsereved	Product information, Hazard Labels, and Markings	Polymer 1160XL	No Label Observed	Poly bucket. No sample collected.	N	NA

**Notes:**

RST 3 - Weston Solutions, Inc. Removal Support Team 3

No. - Number

NA - Not Applicable

N - No

Y - Yes

Gal - Gallons

ppm - parts per million

VOC - Volatile Organic Compound

% - Percent

Labels, placards, or additional identifying markings located on all containers were recorded based on access. Containers where access was limited may have additional marking information not observed during the June 2017 sampling event.

**Table 15: Container Inventory Table**  
**Deferiet Paper Mill Site**  
**Deferiet, Jefferson County, New York**  
**June 19 - 21, 2017**

RST 3 Container No.	Location	Location Description	Date	Container Size	Container Type	Container Top	Container Condition	VOC Headspace (ppm)	Container Content (%)	Content Layer 1 (Clarity/Color/Matrix)	Content Layer 2 (Clarity/Color/Matrix)	Labels/Markings	Product Description	Company Labels	Comments	Analytical Sample Collected	Analytical Sample ID
084	Fire Department	Garage Area	6/20/2017	5 - Gal	Other	Other	Fair	0	30-40%	Cloudy/White/Gel	No Additional Layer Observed	Product information, Hazard Labels, and Markings	Polyfloc AE 1138	BetzDearborn	Poly bucket	N	NA
085	Fire Department	Garage Area	6/20/2017	< 5 - Gal	Other	Other	Fair	0	10-20%	Clear/Yellow/Liquid	No Additional Layer Observed	No Labels or Markings Observed	None	No Label Observed	Poly jug. Label is too faded to read.	N	NA
086	Fire Department	Garage Area	6/20/2017	< 5 - Gal	Other	Other	Poor	411	60-70%	Clear/Yellow/Liquid	No Additional Layer Observed	No Labels or Markings Observed	None	No Label Observed	Poly jug. Label is too faded to read.	Y	P001-LW-086
087	Fire Department	Garage Area	6/20/2017	< 5 - Gal	Other	Other	Poor	712	<5%	Clear/Colorless/Liquid	No Additional Layer Observed	No Labels or Markings Observed	None	Varn	Metal jug. Label is too faded to read.	N	NA
088	Fire Department	Garage Area	6/20/2017	< 5 - Gal	Other	Other	Good	0	30-40%	Clear/Colorless/Liquid	No Additional Layer Observed	Product Information	Antifreeze/Coolant	Prestone	NA	N	NA
089	Company Garage	Main Garage Area	6/20/2017	275 - Gal	Tote	None	Poor	0	10-20%	Brown/Solid Material	No Additional Layer Observed	No Labels or Markings Observed	None	No Label Observed	Tote is severely cracked and damaged. No sample collected.	N	NA
090	Company Garage	Main Garage Area	6/20/2017	55 - Gal	Steel Drum	Other	Poor	0	40-50%	Suspect Ash Material	No Additional Layer Observed	No Labels or Markings Observed	None	No Label Observed	Severely rusted drum covered with a square piece of sheet metal.	N	NA
091	Company Garage	Main Garage Area	6/20/2017	55 - Gal	AST	Other	Poor	NA	Unknown	NA	No Additional Layer Observed	No Labels or Markings Observed	None	No Label Observed	Severly rusted suspect heating tank. No sample collected.	N	NA
092	Company Garage	Main Garage Area	6/20/2017	55 - Gal	Poly Drum	Bung	Fair	0	60-70%	Cloudy/Reddish Brown/Oily/Liquid	No Additional Layer Observed	No Labels or Markings Observed	None	No Label Observed	Discharge pump attached to one of the bung openings.	N	NA
093	Company Garage	Main Garage Area	6/20/2017	5 - Gal	Bucket	Closed Top	Poor	0	60-70%	Brown Solidified Resin Material	No Additional Layer Observed	Hazard Labels and Markings	Resin Solution	No Label Observed	NA	N	NA
094	Company Garage	Northern Storage Room	6/20/2017	5 - Gal	Bucket	Closed Top	Fair	0	60-70%	Solidified Gray Powder	No Additional Layer Observed	Product information, Hazard Labels, and Markings	Water Proof Cement	Thorn System Products	No sample collected.	N	NA
095	Company Garage	Northern Storage Room	6/20/2017	5 - Gal	Bucket	Closed Top	Fair	0	20-30%	Two small, unopened cans with Epoxy labels.	Poly Bag Full of Sand	Product Information	Epoxy Patch Kit	Polymer Specialties Corp	No sample collected.	N	NA
096	Company Garage	Northern Storage Room	6/20/2017	5 - Gal	Bucket	Closed Top	Poor	309	20-30%	Clear/Colorless/Liquid	No Additional Layer Observed	Product information, Hazard Labels, and Markings	Super Kurseal	Harris	NA	N	NA
097	Company Garage	Northern Storage Room	6/20/2017	5 - Gal	Bucket	Closed Top	Poor	0	80-90%	Gray Powder	No Additional Layer Observed	Product information, Hazard Labels, and Markings	Grouting Cement	Northern	No sample collected.	N	NA
098	Company Garage	Northern Storage Room	6/20/2017	5 - Gal	Bucket	Closed Top	Poor	0	90-100%	Solidified Gray Powder	No Additional Layer Observed	Product Information	Concrete Water Proofing	Xpex Chemicals	No sample collected.	N	NA
099	Company Garage	Northern Storage Room	6/20/2017	5 - Gal	Bucket	Closed Top	Fair	0	20-30%	Two small, unopened cans with Epoxy labels.	Poly Bag Full of Sand	Product Information	Epoxy Patch Kit	Polymer Specialties Corp	MSDS on top of bucket. No sample collected.	N	NA
100	Company Garage	Northern Storage Room	6/20/2017	5 - Gal	Bucket	Closed Top	Poor	0	90-100%	Solidified Gray Powder	No Additional Layer Observed	Product Information	Concrete Water Proofing	Xpex Chemicals	No sample collected.	N	NA
101	Company Garage	Northern Storage Room	6/20/2017	5 - Gal	Bucket	Closed Top	Poor	0	90-100%	Solidified Gray Powder	No Additional Layer Observed	Product information, Hazard Labels, and Markings	Dry Joint/Water Proof Cement Base	Thoro	No sample collected.	N	NA
102	Company Garage	Northern Storage Room	6/20/2017	5 - Gal	Bucket	Closed Top	Fair	0	90-100%	Gray Powder	No Additional Layer Observed	Product Information	Structural Concrete	Five Star	No sample collected.	N	NA
103	Company Garage	Northern Storage Room	6/20/2017	5 - Gal	Bucket	Closed Top	Fair	0	90-100%	Gray Powder	No Additional Layer Observed	Product Information	Structural Concrete	Five Star	No sample collected.	N	NA
104	Company Garage	Southern Storage Room	6/20/2017	< 5 - Gal	Bucket	Other	Poor	0	<5%	Cloudy/Amber/Liquid	No Additional Layer Observed	Product information, Hazard Labels, and Markings	Corosion Control	No Label Observed	NA	N	NA
105	Fire Department	Outside, Behind Office Area	6/20/2017	55 - Gal	Poly Drum	Bung	Poor	0	90-100%	Cloudy/Gray/Liquid	No Additional Layer Observed	No Labels or Markings Observed	None	No Label Observed	NA	N	NA
106	Company Garage	Northern Garage	6/20/2017	5 - Gal	Bucket	Bung	Fair	0	50-60%	Clear/Brown/Liquid	No Additional Layer Observed	Product information, Hazard Labels, and Markings	AW-32 Hydraulic Fluid	Altra Performance Products	NA	N	NA
107	Boiler Room	South Side of Room	6/21/2017	4500 - Gal	AST	None	Fair	0	20-30%	Clear/Colorless/Liquid	No Additional Layer Observed	Product information, Hazard Labels, and Markings	Sodium Hydroxide	No Label Observed	4500 gal storage tank with secondary containment.	Y	P001-LW-107
108	Boiler Room	South Side of Room	6/21/2017	4500 - Gal	AST	None	Fair	0	5-10%	Cloudy/Brown/Liquid	No Additional Layer Observed	Product information, Hazard Labels, and Markings	Sulfuric Acid	No Label Observed	4501 gal storage tank with secondary containment.	Y	P001-LW-108
109	Boiler Room	South Side of Room	6/21/2017	55 - Gal	Poly Drum	Bung	Fair	0	20-30%	Clear/Colorless/Liquid	No Additional Layer Observed	Product information, Hazard Labels, and Markings	Acetic Acid	No Label Observed	NA	Y	P001-LW-109
110	Turbine Room	1st Floor Near Stairwell	6/21/2017	30 - Gal	Steel Tank	Other	Fair	0	20-30%	Clear/Brown/Liquid	No Additional Layer Observed	Product information, Hazard Labels, and Markings	Hydraulic Oil	No Label Observed	Steel storage tank with suspect hydraulic oil.	N	NA

**Notes:**

RST 3 - Weston Solutions, Inc. Removal Support Team 3

No - Number

NA - Not Applicable

N - No

Y - Yes

Gal - Gallons

ppm - parts per million

VOC - Volatile Organic Compound

% - Percent

Labels, placards, or additional identifying markings located on all containers were recorded based on access. Containers where access was limited may have additional marking information not observed during the June 2017 sampling event.

## **ATTACHMENT C**

Chain of Custody Records

USEPA

DateShipped: 6/9/2017

CarrierName: Lab Courier

AirbillNo: NA

RECEIVED  
EMSL  
CINNAMINSON, N.J.

2017 JUN -9 P 7 45

## CHAIN OF CUSTODY RECORD

RFP# 439

Contact Name: Bryan Gonzalez

Contact Phone: 732-425-1175

No: 060917-095105-0001

Cooler #:

Lab: EMSL Analytical, Inc.

Lab Phone: 856-858-4800

041716638

Lab #	Sample #	Analyses	Matrix	Collected	Sample Time	Numb Cont	Container	Preservative	Lab QC
Fri	P001-BULK002-01	Asbestos PLM/TEM	Asbestos	6/7/2017	09:28	1	Poly Bag	None	N
Fri	P001-BULK003-01	Asbestos PLM/TEM	Asbestos	6/7/2017	09:40	1	Poly Bag	None	N
Fri	P001-BULK004-01	Asbestos PLM/TEM	Asbestos	6/7/2017	10:10	1	Poly Bag	None	N
Fri	P001-BULK005-01	Asbestos PLM/TEM	Asbestos	6/7/2017	10:20	1	Poly Bag	None	N
Fri	P001-BULK006-01	Asbestos PLM/TEM	Asbestos	6/7/2017	10:22	1	Poly Bag	None	N
Fri	P001-BULK007-01	Asbestos PLM/TEM	Asbestos	6/7/2017	10:34	1	Poly Bag	None	N
NOB	P001-BULK008-01	Asbestos PLM/TEM	Asbestos	6/7/2017	10:51	1	Poly Bag	None	N
Fri	P001-BULK009-01	Asbestos PLM/TEM	Asbestos	6/7/2017	13:16	1	Poly Bag	None	N
Fri	P001-BULK010-01	Asbestos PLM/TEM	Asbestos	6/7/2017	13:32	1	Poly Bag	None	N
Fri	P001-BULK011-01	Asbestos PLM/TEM	Asbestos	6/7/2017	13:38	1	Poly Bag	None	N
Fri	P001-BULK012-01	Asbestos PLM/TEM	Asbestos	6/7/2017	13:43	1	Poly Bag	None	N
Fri	P001-BULK013-01	Asbestos PLM/TEM	Asbestos	6/7/2017	13:54	1	Poly Bag	None	N
Fri	P001-BULK014-01	Asbestos PLM/TEM	Asbestos	6/7/2017	14:07	1	Poly Bag	None	N
Fri	P001-BULK015-01	Asbestos PLM/TEM	Asbestos	6/7/2017	14:14	1	Poly Bag	None	N
Fri	P001-BULK016-01	Asbestos PLM/TEM	Asbestos	6/7/2017	14:20	1	Poly Bag	None	N
Fri	P001-BULK017-01	Asbestos PLM/TEM	Asbestos	6/7/2017	14:30	1	Poly Bag	None	N
Fri	P001-BULK018-01	Asbestos PLM/TEM	Asbestos	6/7/2017	14:34	1	Poly Bag	None	N
Fri	P001-BULK019-01	Asbestos PLM/TEM	Asbestos	6/7/2017	14:45	1	Poly Bag	None	N
Fri	P001-BULK020-01	Asbestos PLM/TEM	Asbestos	6/7/2017	14:50	1	Poly Bag	None	N

Special Instructions: Analyze for Bulk Asbestos via NYS ELAP PLM-METHOD 198.1. If not friable then the NYS ELAP -MTHOD 198.6. if <1.0% then the laboratory will follow up with NYS ELAP TEM-METHOD 198.4.

TAT= 21 days preliminary, 42 days validated. EMAIL results to: S.Sumbaly@westonsolutions.com and Bryan.Gonzalez@westonsolutions.com

## SAMPLES TRANSFERRED FROM

## CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All sample/ All Analysis	Bryan Gonzalez (Weston) S. Gonzalez (EMSL)	6-9-17 10:47 am 06-09-17 10:35	R. Gonzalez carrier	06-09-17 13:00 6/9/17 2:30pm	

IISFPA

DateShipped: 6/9/2017  
CarrierName: Lab Cours  
AirbillNo: NA

RECEIVED  
EML  
CINNAMINSON, N.J.

2011.JUN-9 P.F.45

**CHAIN OF CUSTODY RECORD**

PFH B6 439

Contact Name: Bryan Gonzalez  
Contact Phone: 732-425-1175

No: 060917-095105-0001

**Cooler #:**

Lab: EMSL Analytical, Inc.  
Lab Phone: 856-858-4800

QUELLE : DT / 08082011

**Special Instructions: Analyze for Bulk Asbestos via NYS ELAP PLM-METHOD 198.1. If not friable then the NYS ELAP -MTHOD 198.6 if <1.0% then the laboratory will follow up with NYS ELAP TEM-METHOD 198.4.**

**SAMPLES TRANSFERRED FROM**

**CHAIN OF CUSTODY #**

TAT= 21 days preliminary, 42 days validated. EMAIL results to: S.Sumbaly@westonsolutions.com and Bryan.Gonzalez@westonsolutions.com

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All samples/Au Analysis	Byerley Western RST 3	6-9-17 10:47am	S. Duff	08-09-17 13:00	

USEPA

DateShipped: 6/23/2017

CarrierName: Lab Courier

AirbillNo: NA

## CHAIN OF CUSTODY RECORD

RFP Case # 441

Contact Name:

Contact Phone:

No: 062117-221035-0002

Cooler #:

Lab: ALS Environmental

Lab Phone: 717-944-5541

Lab #	Sample #	Analyses	Matrix	Collected	Sample Time	Numb Cont	Container	Preservative	Lab QC
P001-LW-006		TCL VOCs	Liquid Waste	6/21/2017	15:53	1	4 oz glass jar w/septum	4 C	N
P001-LW-006		TCL SVOCs	Liquid Waste	6/21/2017	15:53	1	8 oz. glass jar	4 C	N
P001-LW-006		TCL PCBs	Liquid Waste	6/21/2017	15:53	1	8 oz. glass jar	4 C	N
P001-LW-006		TCL Pesticides	Liquid Waste	6/21/2017	15:53	1	8 oz. glass jar	4 C	N
P001-LW-006		TAL Metals + Hg	Liquid Waste	6/21/2017	15:53	1	8 oz. glass jar	4 C	N
P001-LW-006		RCRA Caharcterisitics	Liquid Waste	6/21/2017	15:53	1	8 oz. glass jar	4 C	N
P001-LW-008		TCL VOCs	Liquid Waste	6/21/2017	15:50	1	4 oz glass jar w/septum	4 C	N
P001-LW-008		TCL SVOCs	Liquid Waste	6/21/2017	15:50	1	8 oz. glass jar	4 C	N
P001-LW-008		TCL PCBs	Liquid Waste	6/21/2017	15:50	1	8 oz. glass jar	4 C	N
P001-LW-008		TCL Pesticides	Liquid Waste	6/21/2017	15:50	1	8 oz. glass jar	4 C	N
P001-LW-008		TAL Metals + Hg	Liquid Waste	6/21/2017	15:50	1	8 oz. glass jar	4 C	N
P001-LW-008		RCRA Caharcterisitics	Liquid Waste	6/21/2017	15:50	1	8 oz. glass jar	4 C	N
P001-LW-020		TCL VOCs	Liquid Waste	6/21/2017	16:32	1	4 oz glass jar w/septum	4 C	N
P001-LW-020		TCL SVOCs	Liquid Waste	6/21/2017	16:32	1	8 oz. glass jar	4 C	N
P001-LW-021		TCL PCBs	Liquid Waste	6/21/2017	15:16	1	8 oz. glass jar	4 C	N
P001-LW-026		RCRA Caharcterisitics	Liquid Waste	6/21/2017	15:17	1	8 oz. glass jar	4 C	N
P001-LW-028		RCRA Caharcterisitics	Liquid Waste	6/21/2017	15:07	1	8 oz. glass jar	4 C	N
P001-LW-028		TCL PCBs	Liquid Waste	6/21/2017	15:07	1	8 oz. glass jar	4 C	N
P001-LW-029		RCRA Caharcterisitics	Liquid Waste	6/21/2017	15:10	1	8 oz. glass jar	4 C	N

Special Instructions: 1 week verbal turn around time. Please send results to S.Sumbaly@westonsolutions.com, Michael.Beuthe@westonsolutions.com and Kathryn.Donohue@westonsolutions.com.

## SAMPLES TRANSFERRED FROM

Please analyzed both phases of P001-LW-031 as one sample.

## CHAIN OF CUSTODY #

Only analyze the top phase of P001-LW-028

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All samples All analysis	Weston, RST 3	6/23/17 1440	Jewell	6/23/17	

USEPA

DateShipped: 6/23/2017

CarrierName: Lab Courier

AirbillNo: NA

## CHAIN OF CUSTODY RECORD

No: 062117-221035-0002

*TPG case # 441*

Contact Name:

Cooler #:

Contact Phone:

Lab: ALS Environmental

Lab Phone: 717-944-5541

Lab #	Sample #	Analyses	Matrix	Collected	Sample Time	Numb Cont	Container	Preservative	Lab QC
P001-LW-031	TCL VOCs	Liquid Waste	6/21/2017	15:33		1	4 oz glass jar w/septum	4 C	N
P001-LW-031	TCL SVOCs	Liquid Waste	6/21/2017	15:33		1	8 oz. glass jar	4 C	N
P001-LW-031	TCL PCBs	Liquid Waste	6/21/2017	15:33		1	8 oz. glass jar	4 C	N
P001-LW-031	TCL Pesticides	Liquid Waste	6/21/2017	15:33		1	8 oz. glass jar	4 C	N
P001-LW-031	TAL Metals + Hg	Liquid Waste	6/21/2017	15:33		1	8 oz. glass jar	4 C	N
P001-LW-031	RCRA Caharcterisitics	Liquid Waste	6/21/2017	15:33		1	8 oz. glass jar	4 C	N
P001-LW-034	RCRA Caharcterisitics	Liquid Waste	6/21/2017	15:14		1	8 oz. glass jar	4 C	N
P001-LW-040	TCL VOCs	Liquid Waste	6/21/2017	15:45		1	4 oz glass jar w/septum	4 C	N
P001-LW-040	TCL SVOCs	Liquid Waste	6/21/2017	15:45		1	8 oz. glass jar	4 C	N
P001-LW-040	TCL PCBs	Liquid Waste	6/21/2017	15:45		1	8 oz. glass jar	4 C	N
P001-LW-040	TCL Pesticides	Liquid Waste	6/21/2017	15:45		1	8 oz. glass jar	4 C	N
P001-LW-040	TAL Metals + Hg	Liquid Waste	6/21/2017	15:45		1	8 oz. glass jar	4 C	N
P001-LW-040	RCRA Caharcterisitics	Liquid Waste	6/21/2017	15:45		1	8 oz. glass jar	4 C	N
P001-LW-043	TAL Metals + Hg	Liquid Waste	6/21/2017	15:23		1	8 oz. glass jar	4 C	N
P001-LW-045	TAL Metals + Hg	Liquid Waste	6/21/2017	15:40		1	8 oz. glass jar	4 C	N
P001-LW-046	TCL VOCs	Liquid Waste	6/21/2017	16:42		1	4 oz glass jar w/septum	4 C	N
P001-LW-046	TCL SVOCs	Liquid Waste	6/21/2017	16:42		1	8 oz. glass jar	4 C	N
P001-LW-047	TCL VOCs	Liquid Waste	6/21/2017	16:40		1	4 oz glass jar w/septum	4 C	N
P001-LW-047	TCL SVOCs	Liquid Waste	6/21/2017	16:40		1	8 oz. glass jar	4 C	N

Special Instructions: 1 week verbal turn around time. Please send results to S.Sumbaly@westonsolutions.com, Michael.Beuthe@westonsolutions.com and Kathryn.Donohue@westonsolutions.com.

## SAMPLES TRANSFERRED FROM

Please analyzed both phases of P001-LW-031 as one sample.

## CHAIN OF CUSTODY #

Only analyze the top phase of P001-LW-028

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All samples All analysis	<i>MC / PC Weston, RST 6/23/17/440</i>		<i>Jas Yn</i>	<i>6/23/17</i>	

USEPA

DateShipped: 6/23/2017

CarrierName: Lab Courier

AirbillNo: NA

## CHAIN OF CUSTODY RECORD

RFP# Case # 441

Contact Name:

Contact Phone:

No: 062117-221035-0002

Cooler #:

Lab: ALS Environmental

Lab Phone: 717-944-5541

Lab #	Sample #	Analyses	Matrix	Collected	Sample Time	Numb Cont	Container	Preservative	Lab QC
P001-LW-049	TCL VOCs	Liquid Waste	6/21/2017	15:30		1	4 oz glass jar w/septum	4 C	N
P001-LW-049	TCL SVOCs	Liquid Waste	6/21/2017	15:30		1	8 oz. glass jar	4 C	N
P001-LW-049	TCL PCBs	Liquid Waste	6/21/2017	15:30		1	8 oz. glass jar	4 C	N
P001-LW-049	TCL Pesticides	Liquid Waste	6/21/2017	15:30		1	8 oz. glass jar	4 C	N
P001-LW-049	TAL Metals + Hg	Liquid Waste	6/21/2017	15:30		1	8 oz. glass jar	4 C	N
P001-LW-049	RCRA Caharcterisitics	Liquid Waste	6/21/2017	15:30		1	8 oz. glass jar	4 C	N
P001-LW-055	RCRA Caharcterisitics	Liquid Waste	6/21/2017	15:48		1	8 oz. glass jar	4 C	N
P001-LW-055	TAL Metals + Hg	Liquid Waste	6/21/2017	15:48		1	8 oz. glass jar	4 C	N
P001-LW-056	TAL Metals + Hg	Liquid Waste	6/21/2017	15:25		1	8 oz. glass jar	4 C	N
P001-LW-057	TCL VOCs	Liquid Waste	6/21/2017	16:36		1	4 oz glass jar w/septum	4 C	N
P001-LW-057	TCL SVOCs	Liquid Waste	6/21/2017	16:36		1	8 oz. glass jar	4 C	N
P001-LW-057	RCRA Caharcterisitics	Liquid Waste	6/21/2017	16:36		1	8 oz. glass jar	4 C	N
P001-LW-077	RCRA Caharcterisitics	Liquid Waste	6/21/2017	16:45		1	8 oz. glass jar	4 C	N
P001-LW-086	TCL VOCs	Liquid Waste	6/21/2017	16:55		1	4 oz glass jar w/septum	4 C	N
P001-LW-086	TCL SVOCs	Liquid Waste	6/21/2017	16:55		1	8 oz. glass jar	4 C	N
P001-LW-107	RCRA Caharcterisitics	Liquid Waste	6/21/2017	18:02		1	8 oz. glass jar	4 C	N
P001-LW-108	TCL VOCs	Liquid Waste	6/21/2017	17:40		1	4 oz glass jar w/septum	4 C	N
P001-LW-108	TCL SVOCs	Liquid Waste	6/21/2017	17:40		1	8 oz. glass jar	4 C	N
P001-LW-108	TCL PCBs	Liquid Waste	6/21/2017	17:40		1	8 oz. glass jar	4 C	N

Special Instructions: 1 week verbal turn around time. Please send results to S.Sumbaly@westonsolutions.com, Michael.Beuthe@westonsolutions.com and Kathryn.Donohue@westonsolutions.com.

## SAMPLES TRANSFERRED FROM

Please analyzed both phases of P001-LW-031 as one sample.

Only analyze the top phase of P001-LW-028

## CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All samples All analysis		6/23/17/1440		6/23/17	

USEPA

DateShipped: 6/23/2017

CarrierName: Lab Courier

AirbillNo: NA

## CHAIN OF CUSTODY RECORD

No: 062117-221035-0002

RFP # Case # 441

Contact Name:

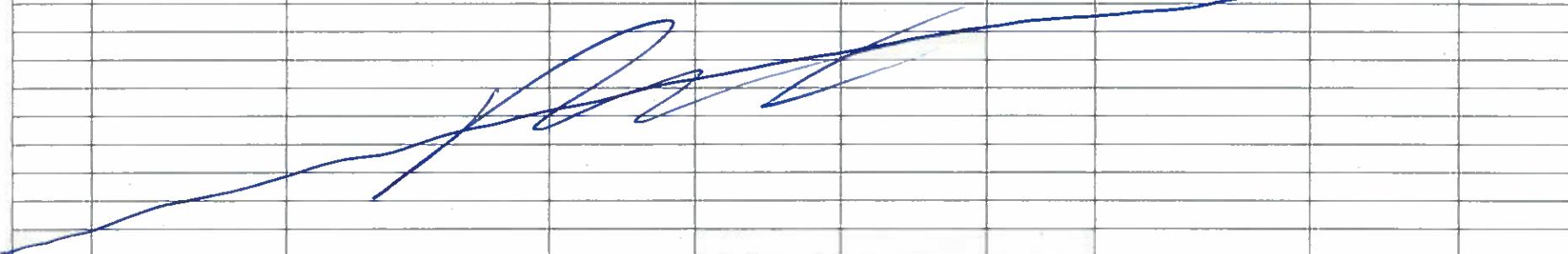
Contact Phone:

Cooler #:

Lab: ALS Environmental

Lab Phone: 717-944-5541

Lab #	Sample #	Analyses	Matrix	Collected	Sample Time	Numb Cont	Container	Preservative	Lab QC
P001-LW-108	TCL Pesticides	Liquid Waste	6/21/2017	17:40		1	8 oz. glass jar	4 C	N
P001-LW-108	TAL Metals + Hg	Liquid Waste	6/21/2017	17:40		1	8 oz. glass jar	4 C	N
P001-LW-108	RCRA Caharcterisitics	Liquid Waste	6/21/2017	17:40		1	8 oz. glass jar	4 C	N
P001-LW-109	TCL VOCs	Liquid Waste	6/21/2017	17:55		1	4 oz glass jar w/septum	4 C	N
P001-LW-109	TCL SVOCs	Liquid Waste	6/21/2017	17:55		1	8 oz. glass jar	4 C	N
P001-LW-109	TCL PCBs	Liquid Waste	6/21/2017	17:55		1	8 oz. glass jar	4 C	N
P001-LW-109	TCL Pesticides	Liquid Waste	6/21/2017	17:55		1	8 oz. glass jar	4 C	N
P001-LW-109	TAL Metals + Hg	Liquid Waste	6/21/2017	17:55		1	8 oz. glass jar	4 C	N
P001-LW-109	RCRA Caharcterisitics	Liquid Waste	6/21/2017	17:55		1	8 oz. glass jar	4 C	N



Special Instructions: 1 week verbal turn around time. Please send results to S.Sumbaly@westonsolutions.com, Michael.Beuthe@westonsolutions.com and Kathryn.Donohue@westonsolutions.com.

SAMPLES TRANSFERRED FROM

Please analyzed both phases of P001-LW-031 as one sample.

CHAIN OF CUSTODY #

Only analyze the top phase of P001-LW-028

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples All analysis	WSTW, RST 3	6/21/17/1440	Jan W Z	6/22/17	

USEPA CLP COC (LAB COPY)

DateShipped: 7/28/2017

**CarrierName:** Hand-delivered

Airbill No: NA

## **CHAIN OF CUSTODY RECORD**

Case #: 47126

Cooler #: 1

No: 2-072817-091608-0004

Lab: Chemtech Consulting Group

Lab Contact: Divya Mehta

Lab Phone: 908-789-8900

Sample(s) to be used for Lab QC: P001-SS002-01 Tag 1033, P001-SS002-01 Tag 1035

**Analysis Key:** METALS=TAL Metals including Mercury, CN=Cyanide

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples All analyses	JL (Weston, RST 3)	7/25/17, 10:20	CL	7/25/17 1:00	43.5

## USEPA CLP COC (LAB COPY)

Date Shipped: 7/28/2017

Carrier Name: Hand-delivered

Airbill No: NA

## CHAIN OF CUSTODY RECORD

Case #: 47126

Cooler #: 1

No: 2-072717-162235-0003

Lab: Chemtech Consulting Group

Lab Contact: Divya Mehta

Lab Phone: 908-789-8900

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
P001-SS001-01	BC8B5	Soil/	Grab	VOCs(21), SVOCs(21), PEST/PCBs(21), MOISTURE(21)	1000 (4 C), 1001 (4 C), 1002 (4 C), 1004 (4 C) (6)	P001-SS001	07/27/2017 13:10	NO TAGS
P001-SS005-01	BC8B7	Soil/	Grab	VOCs(21), SVOCs(21), PEST/PCBs(21), MOISTURE(21)	1012 (4 C), 1013 (4 C), 1014 (4 C), 1016 (4 C) (6)	P001-SS005	07/27/2017 15:15	
P001-SS004-01	BC8B8	Soil/	Grab	VOCs(21), SVOCs(21), PEST/PCBs(21), MOISTURE(21)	1018 (4 C), 1019 (4 C), 1020 (4 C), 1022 (4 C) (6)	P001-SS004	07/27/2017 15:00	
P001-SS003-01	BC8B9	Soil/	Grab	VOCs(21), SVOCs(21), PEST/PCBs(21), MOISTURE(21)	1024 (4 C), 1025 (4 C), 1026 (4 C), 1028 (4 C) (6)	P001-SS003	07/27/2017 14:50	
P001-SS002-01	BC8C0	Soil/	Grab	VOCs(21), SVOCs(21), PEST/PCBs(21), MOISTURE(21)	1030 (4 C), 1031 (4 C), 1032 (4 C), 1034 (4 C) (8)	P001-SS002	07/27/2017 13:42	
P001-SS002-02	BC8C1	Soil/	Grab	VOCs(21), SVOCs(21), PEST/PCBs(21), MOISTURE(21)	1036 (4 C), 1037 (4 C), 1038 (4 C), 1040 (4 C) (6)	P001-SS002	07/27/2017 14:04	

Sample(s) to be used for Lab QC: P001-SS002-01 Tag 1032, P001-SS002-01 Tag 1034 - Special Instructions: Percent moisture collected in 8 oz. glass jar instead of 4 oz. glass jar due to limitations in jarware.

Shipment for Case Complete? Y

Samples Transferred From Chain of Custody #

Analysis Key: VOCs=TCL Volatile Organic Compounds, SVOCs=TCL Semivolatile Organic Compounds, PEST/PCBs=TCL Pesticides/PCBs, MOISTURE=Percent Moisture

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All samples All Qualities	R. E. (Wet)	7/28/17 11:10		11:00:22 7-28-17	32C

## **ATTACHMENT D**

Photographic Documentation Log

**Photographic Documentation Log**  
**Deferiet Paper Mill Site**  
**Deferiet, Jefferson County, New Jersey**  
**June 2017**



**Photograph 1:** A view of the sulfite room (left), turbine room (foreground) and the wet/beater room (right).



**Photograph 2:** A view of an SACM sample location in the Turbine Room.

**Photographic Documentation Log  
Deferiet Paper Mill Site  
Deferiet, Jefferson County, New Jersey  
June 2017**



**Photograph 3:** A view of hazard category (HazCat) samples collected and screened at the Site.



**Photograph 4:** An outside view of the Fire Department building located at the Site.

**Photographic Documentation Log**  
**Deferiet Paper Mill Site**  
**Deferiet, Jefferson County, New Jersey**  
**June 2017**



**Photograph 5:** A view of the abandoned totes inside of the Fire Department building on Site.



**Photograph 6:** A view of RST 3 team members collecting waste samples from the abandoned totes located inside of the Fire Department building on Site.

**Photographic Documentation Log**  
**Deferiet Paper Mill Site**  
**Deferiet, Jefferson County, New Jersey**  
**June 2017**



**Photograph 7:** A view of the abandoned drums located inside of the Fire Department building on Site.



**Photograph 8:** A view of graffiti on the walls in the second story of the Wet/Beater Room.

**Photographic Documentation Log**  
**Deferiet Paper Mill Site**  
**Deferiet, Jefferson County, New Jersey**  
**June 2017**



**Photograph 9:** A view of graffiti on the walls in the Administration building 01.

## **ATTACHMENT E**

Analytical Data Packages

**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (800) 220-3675 / (856) 786-5974

<http://www.EMSL.com>[cinnaslab@EMSL.com](mailto:cinnaslab@EMSL.com)

EMSL Order:	041716638
CustomerID:	RFWE53
CustomerPO:	
ProjectID:	RFP 439

Attn: **Bryan Gonzalez**  
**Weston Solutions (King Georges Post)**  
**1090 King Georges Post Road**  
**Suite 201**  
**Edison, NJ 08837**

Project: RFP #439

Phone: (732) 585-4400  
Fax:  
Received: 06/09/17 7:30 PM  
Analysis Date: 6/29/2017  
Collected: 6/7/2017

**Test Report:Asbestos Analysis of Bulk Material**

Test	Analyzed Date	Color	Fibrous	Non Asbestos	Asbestos
Sample ID	Description		Friable	Non-Fibrous	
Sample ID P001-BULK002-01 041716638-0001	Description Homogeneity		Friable Homogeneous		
PLM NYS 198.1 Friable	6/29/2017	White	95.00% Glass	5.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID P001-BULK003-01 041716638-0002	Description Homogeneity		Friable Homogeneous		
PLM NYS 198.1 Friable	7/3/2017	White		60.00% Non-fibrous (other)	30.00% Amosite 10.00% Chrysotile 40.00% Total
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID P001-BULK004-01 041716638-0003	Description Homogeneity		Friable Homogeneous		
PLM NYS 198.1 Friable	6/29/2017	White	10.00% Synthetic 5.00% Glass	85.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID P001-BULK005-01 041716638-0004	Description Homogeneity		Friable Homogeneous		
PLM NYS 198.1 Friable	6/29/2017	Brown		75.00% Non-fibrous (other)	25.00% Chrysotile
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID P001-BULK006-01 041716638-0005	Description Homogeneity		Friable Homogeneous		
PLM NYS 198.1 Friable	6/29/2017	White	15.00% Synthetic 5.00% Glass	2.00% Mica 78.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed

**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (800) 220-3675 / (856) 786-5974

<http://www.EMSL.com>[cinnaslab@EMSL.com](mailto:cinnaslab@EMSL.com)

EMSL Order: 041716638  
CustomerID: RFWE53  
CustomerPO:  
ProjectID: RFP 439

**Test Report:Asbestos Analysis of Bulk Material**

Test	Color	Non Asbestos		Asbestos
		Fibrous	Non-Fibrous	
Sample ID P001-BULK007-01 041716638-0006	Description Friable Homogeneity Homogeneous			
PLM NYS 198.1 Friable	6/29/2017	Tan	100.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM				Not Analyzed
PLM NYS 198.6 NOB				Not Analyzed
TEM NYS 198.4 NOB				Not Analyzed
Sample ID P001-BULK008-01 041716638-0007	Description NOB Homogeneity Homogeneous			
PLM NYS 198.1 Friable				Not Analyzed
PLM NYS 198.6 VCM				Not Analyzed
PLM NYS 198.6 NOB	7/3/2017	White	25.4% Min. Wool	Inconclusive: None Detected
TEM NYS 198.4 NOB	7/3/2017	White		None Detected
Sample ID P001-BULK009-01 041716638-0008	Description Friable Homogeneity Homogeneous			
PLM NYS 198.1 Friable	6/29/2017	Tan/White	100.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM				Not Analyzed
PLM NYS 198.6 NOB				Not Analyzed
TEM NYS 198.4 NOB				Not Analyzed
Sample ID P001-BULK010-01 041716638-0009	Description Friable Homogeneity Homogeneous			
PLM NYS 198.1 Friable	6/29/2017	Yellow	95.00% Min. Wool	5.00% Non-fibrous (other)
PLM NYS 198.6 VCM				None Detected
PLM NYS 198.6 NOB				Not Analyzed
TEM NYS 198.4 NOB				Not Analyzed
Sample ID P001-BULK011-01 041716638-0010	Description Friable Homogeneity Homogeneous			
PLM NYS 198.1 Friable	7/3/2017	Brown/Black	50.00% Cellulose	15.00% Mica 35.00% Non-fibrous (other)
PLM NYS 198.6 VCM				None Detected
PLM NYS 198.6 NOB				Not Analyzed
TEM NYS 198.4 NOB				Not Analyzed
Sample ID P001-BULK012-01 041716638-0011	Description Friable Homogeneity Homogeneous			
PLM NYS 198.1 Friable	6/29/2017	Purple	5.00% Cellulose	95.00% Non-fibrous (other)
PLM NYS 198.6 VCM				None Detected
PLM NYS 198.6 NOB				Not Analyzed
TEM NYS 198.4 NOB				Not Analyzed

**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (800) 220-3675 / (856) 786-5974

<http://www.EMSL.com>[cinnaslab@EMSL.com](mailto:cinnaslab@EMSL.com)

EMSL Order: 041716638  
CustomerID: RFWE53  
CustomerPO:  
ProjectID: RFP 439

**Test Report:Asbestos Analysis of Bulk Material**

Test	Color	Non Asbestos		Asbestos
		Fibrous	Non-Fibrous	
<b>Sample ID</b> P001-BULK013-01 041716638-0012	<b>Description</b> Friable <b>Homogeneity</b> Homogeneous			
<b>PLM NYS 198.1 Friable</b> 7/3/2017	Gray	50.00% Cellulose	50.00% Non-fibrous (other)	<b>None Detected</b>
<b>PLM NYS 198.6 VCM</b>				<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>				<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>				<b>Not Analyzed</b>
<b>Sample ID</b> P001-BULK014-01 041716638-0013	<b>Description</b> Friable <b>Homogeneity</b> Homogeneous			
<b>PLM NYS 198.1 Friable</b> 6/29/2017	Brown		87.50% Non-fibrous (other)	<b>9.38% Amosite 3.12% Chrysotile 12.50% Total</b>
<b>PLM NYS 198.6 VCM</b>				<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>				<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>				<b>Not Analyzed</b>
<b>Sample ID</b> P001-BULK015-01 041716638-0014	<b>Description</b> Friable <b>Homogeneity</b> Homogeneous			
<b>PLM NYS 198.1 Friable</b> 7/3/2017	Gray		75.00% Non-fibrous (other)	<b>12.50% Chrysotile 12.50% Crocidolite 25.00% Total</b>
<b>PLM NYS 198.6 VCM</b>				<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>				<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>				<b>Not Analyzed</b>
<b>Sample ID</b> P001-BULK016-01 041716638-0015	<b>Description</b> Friable <b>Homogeneity</b> Homogeneous			
<b>PLM NYS 198.1 Friable</b> 6/29/2017	White	10.00% Cellulose	90.00% Non-fibrous (other)	<b>None Detected</b>
<b>PLM NYS 198.6 VCM</b>				<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>				<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>				<b>Not Analyzed</b>
<b>Sample ID</b> P001-BULK017-01 041716638-0016	<b>Description</b> Friable <b>Homogeneity</b> Heterogeneous			
<b>PLM NYS 198.1 Friable</b> 7/3/2017	Brown/Gray	70.00% Cellulose	30.00% Non-fibrous (other)	<b>None Detected</b>
<b>PLM NYS 198.6 VCM</b>				<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>				<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>				<b>Not Analyzed</b>
<b>Sample ID</b> P001-BULK018-01 041716638-0017	<b>Description</b> Friable <b>Homogeneity</b> Homogeneous			
<b>PLM NYS 198.1 Friable</b> 7/3/2017	Gray		75.00% Non-fibrous (other)	<b>25.00% Chrysotile</b>
<b>PLM NYS 198.6 VCM</b>				<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>				<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>				<b>Not Analyzed</b>

Initial Report From 07/03/2017 12:26:23

Test Report 198VCM-7.30.0 Printed: 7/3/2017 12:26:23 PM

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**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (800) 220-3675 / (856) 786-5974

<http://www.EMSL.com>[cinnaslab@EMSL.com](mailto:cinnaslab@EMSL.com)

EMSL Order:	041716638
CustomerID:	RFWE53
CustomerPO:	
ProjectID:	RFP 439

**Test Report:Asbestos Analysis of Bulk Material**

Test	Color	Non Asbestos		Asbestos
		Fibrous	Non-Fibrous	
<b>Sample ID</b> P001-BULK019-01 041716638-0018	<b>Description</b> Friable <b>Homogeneity</b> Homogeneous			
<b>PLM NYS 198.1 Friable</b> 7/3/2017	Gray		76.50% Non-fibrous (other)	<b>23.50% Chrysotile</b>
<b>PLM NYS 198.6 VCM</b>				<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>				<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>				<b>Not Analyzed</b>
<b>Sample ID</b> P001-BULK020-01 041716638-0019	<b>Description</b> Friable <b>Homogeneity</b> Homogeneous			
<b>PLM NYS 198.1 Friable</b> 7/3/2017	White	20.00% Synthetic 10.00% Glass	70.00% Non-fibrous (other)	<b>None Detected</b>
<b>PLM NYS 198.6 VCM</b>				<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>				<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>				<b>Not Analyzed</b>
<b>Sample ID</b> P001-BULK021-01 041716638-0020	<b>Description</b> NOB <b>Homogeneity</b> Homogeneous			
<b>PLM NYS 198.1 Friable</b>				<b>Not Analyzed</b>
<b>PLM NYS 198.6 VCM</b>				<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b> 7/3/2017	Black			<b>Inconclusive: None Detected</b>
<b>TEM NYS 198.4 NOB</b> 7/3/2017	Black			<1% Chrysotile <1% Total
<b>Sample ID</b> P001-BULK022-01 041716638-0021	<b>Description</b> Friable <b>Homogeneity</b> Heterogeneous			
<b>PLM NYS 198.1 Friable</b> 6/29/2017	Various	80.00% Cellulose 5.60% Vermiculite	14.40% Non-fibrous (other)	<b>None Detected</b>
<b>PLM NYS 198.6 VCM</b>				<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>				<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>				<b>Not Analyzed</b>
<b>Sample ID</b> P001-BULK023-01 041716638-0022	<b>Description</b> NOB <b>Homogeneity</b> Homogeneous			
<b>PLM NYS 198.1 Friable</b>				<b>Not Analyzed</b>
<b>PLM NYS 198.6 VCM</b>				<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b> 7/3/2017	Black			<b>Inconclusive: None Detected</b>
<b>TEM NYS 198.4 NOB</b> 7/3/2017	Black			<b>None Detected</b>
<b>Sample ID</b> P001-BULK024-01 041716638-0023	<b>Description</b> Friable <b>Homogeneity</b> Homogeneous			
<b>PLM NYS 198.1 Friable</b> 7/3/2017	White	10.00% Synthetic 10.00% Glass	80.00% Non-fibrous (other)	<b>None Detected</b>
<b>PLM NYS 198.6 VCM</b>				<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>				<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>				<b>Not Analyzed</b>

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EMSL Order: 041716638  
CustomerID: RFWE53  
CustomerPO:  
ProjectID: RFP 439

**Test Report:Asbestos Analysis of Bulk Material**

Test	Color	Non Asbestos		Asbestos
		Fibrous	Non-Fibrous	
Sample ID P001-BULK025-01 041716638-0024	Description Friable Homogeneity Homogeneous			
PLM NYS 198.1 Friable	7/3/2017	Tan	10.00% Cellulose 10.00% Synthetic	80.00% Non-fibrous (other) None Detected
PLM NYS 198.6 VCM				Not Analyzed
PLM NYS 198.6 NOB				Not Analyzed
TEM NYS 198.4 NOB				Not Analyzed
Sample ID P001-BULK026-01 041716638-0025	Description Friable Homogeneity Homogeneous			
PLM NYS 198.1 Friable	6/29/2017	Brown/Gray/		100.00% Non-fibrous (other) None Detected
PLM NYS 198.6 VCM				Not Analyzed
PLM NYS 198.6 NOB				Not Analyzed
TEM NYS 198.4 NOB				Not Analyzed
Sample ID P001-BULK027-01 041716638-0026	Description Friable Homogeneity Homogeneous			
PLM NYS 198.1 Friable	7/3/2017	White/Black	50.00% Glass	50.00% Non-fibrous (other) None Detected
PLM NYS 198.6 VCM				Not Analyzed
PLM NYS 198.6 NOB				Not Analyzed
TEM NYS 198.4 NOB				Not Analyzed
Sample ID P001-BULK028-01 041716638-0027	Description Friable Homogeneity Homogeneous			
PLM NYS 198.1 Friable	6/29/2017	Pink		100.00% Non-fibrous (other) None Detected
PLM NYS 198.6 VCM				Not Analyzed
PLM NYS 198.6 NOB				Not Analyzed
TEM NYS 198.4 NOB				Not Analyzed
Sample ID P001-BULK029-01 041716638-0028	Description Friable Homogeneity Homogeneous			
PLM NYS 198.1 Friable	6/29/2017	Black/Rust		100.00% Non-fibrous (other) None Detected
PLM NYS 198.6 VCM				Not Analyzed
PLM NYS 198.6 NOB				Not Analyzed
TEM NYS 198.4 NOB				Not Analyzed
Sample ID P001-BULK030-01 041716638-0029	Description Friable Homogeneity Homogeneous			
PLM NYS 198.1 Friable	7/3/2017	Tan		79.00% Non-fibrous (other) 10.50% Amosite 10.50% Chrysotile 21.00% Total
PLM NYS 198.6 VCM				Not Analyzed
PLM NYS 198.6 NOB				Not Analyzed
TEM NYS 198.4 NOB				Not Analyzed

**EMSL Analytical, Inc.**

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EMSL Order: 041716638  
CustomerID: RFWE53  
CustomerPO:  
ProjectID: RFP 439

**Test Report:Asbestos Analysis of Bulk Material**

Test	Color	Non Asbestos		Asbestos
		Fibrous	Non-Fibrous	
Sample ID P001-BULK001-01 041716638-0030	Description Friable Homogeneity Homogeneous	Friable Homogeneous		
PLM NYS 198.1 Friable	6/29/2017	White	98.00% Min. Wool	2.00% Non-fibrous (other)
PLM NYS 198.6 VCM				None Detected
PLM NYS 198.6 NOB				Not Analyzed
TEM NYS 198.4 NOB				Not Analyzed

Analyst(s)

Chelsey BilheirPatrick CarrWilliam NguyenBenjamin Ellis, Laboratory Manager  
or other approved signatory

NOB = Non Friable Organically Bound N/A = Not Applicable VCM = Vermiculite Containing Material

-In New York State, TEM is currently the only method that can be used to determine if NOB materials can be considered or treated as non-asbestos containing.

All samples examined for the presence of vermiculite when analyzed via NYS 198.1.

-NYS Guidelines for Vermiculite containing samples are available at [http://www.wadsworth.org/labcert/elapcert/forms/VermiculiteInterimGuidance\\_Rev070913.pdf](http://www.wadsworth.org/labcert/elapcert/forms/VermiculiteInterimGuidance_Rev070913.pdf)

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. Samples were received in good condition unless otherwise noted.

This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. This report may contain data that is not covered by the NVLAP accreditation.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NYS ELAP 10872, PA ID# 68-00367



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July 5, 2017

Ms. Smita Sumbaly  
Weston Solutions, Inc.  
1090 King Georges Post Road  
Suite 201  
Edison, NJ 08837

## Certificate of Analysis

Project Name:	<b>2017-EP-S2-14-01 RFP NO. 441 -</b>	Workorder:	<b>2241218</b>
Purchase Order:	<b>0094614</b>	Workorder ID:	<b>WEN010 2017-EP-S2-14-01 RFP NO</b>

Dear Ms. Sumbaly:

Enclosed are the analytical results for samples received by the laboratory on Friday, June 23, 2017.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Ms. Susan J Scherer (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at [www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads](http://www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads).

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ALS Spring City: 10 Riverside Drive, Spring City, PA 19475 610-948-4903

CC: Ms. Michael Beuthe

*This page is included as part of the Analytical Report and must be retained as a permanent record thereof.*

Ms. Susan J Scherer  
Project Coordinator

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## SAMPLE SUMMARY

Workorder: 2241218 WEN010|2017-EP-S2-14-01 RFP NO

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
2241218001	P001-LW-006	Liquid Waste	6/21/2017 15:53	6/23/2017 19:50	Collected by Client
2241218002	P001-LW-008	Liquid Waste	6/21/2017 15:50	6/23/2017 19:50	Collected by Client
2241218003	P001-LW-020	Other	6/21/2017 16:32	6/23/2017 19:50	Collected by Client
2241218004	P001-LW-021	Other	6/21/2017 15:16	6/23/2017 19:50	Collected by Client
2241218005	P001-LW-026	Liquid Waste	6/21/2017 15:17	6/23/2017 19:50	Collected by Client
2241218006	P001-LW-028	Other	6/21/2017 15:07	6/23/2017 19:50	Collected by Client
2241218007	P001-LW-029	Liquid Waste	6/21/2017 15:10	6/23/2017 19:50	Collected by Client
2241218008	P001-LW-031	Other	6/21/2017 15:33	6/23/2017 19:50	Collected by Client
2241218009	P001-LW-034	Liquid Waste	6/21/2017 15:15	6/23/2017 19:50	Collected by Client
2241218010	P001-LW-040	Liquid Waste	6/21/2017 15:45	6/23/2017 19:50	Collected by Client
2241218011	P001-LW-043	Other	6/21/2017 15:23	6/23/2017 19:50	Collected by Client
2241218012	P001-LW-045	Other	6/21/2017 15:40	6/23/2017 19:50	Collected by Client
2241218013	P001-LW-046	Liquid Waste	6/21/2017 16:42	6/23/2017 19:50	Collected by Client
2241218014	P001-LW-047	Liquid Waste	6/21/2017 16:40	6/23/2017 19:50	Collected by Client
2241218015	P001-LW-049	Liquid Waste	6/21/2017 15:30	6/23/2017 19:50	Collected by Client
2241218016	P001-LW-055	Liquid Waste	6/21/2017 15:48	6/23/2017 19:50	Collected by Client
2241218017	P001-LW-056	Other	6/21/2017 15:25	6/23/2017 19:50	Collected by Client
2241218018	P001-LW-057	Other	6/21/2017 16:36	6/23/2017 19:50	Collected by Client
2241218019	P001-LW-077	Liquid Waste	6/21/2017 16:45	6/23/2017 19:50	Collected by Client
2241218020	P001-LW-086	Liquid Waste	6/21/2017 16:55	6/23/2017 19:50	Collected by Client
2241218021	P001-LW-107	Liquid Waste	6/21/2017 18:02	6/23/2017 19:50	Collected by Client
2241218022	P001-LW-108	Liquid Waste	6/21/2017 17:40	6/23/2017 19:50	Collected by Client
2241218023	P001-LW-109	Liquid Waste	6/21/2017 17:55	6/23/2017 19:50	Collected by Client

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## SAMPLE SUMMARY

Workorder: 2241218 WEN010|2017-EP-S2-14-01 RFP NO

### Notes

- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- The Chain of Custody document is included as part of this report.
- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are preformed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix "S" followed by a method number (such as S2310B-97) refer to methods from "Standard Methods for the Examination of Water and Wastewater".
- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.

### Standard Acronyms/Flags

J	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
(S)	Surrogate Compound
NC	Not Calculated
*	Result outside of QC limits

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## PROJECT SUMMARY

Workorder: 2241218 WEN010|2017-EP-S2-14-01 RFP NO

### Sample Comments

**Lab ID:** 2241218001

**Sample ID:** P001-LW-006

**Sample Type:** SAMPLE

This sample was analyzed at a dilution in the 8081 Pesticide analysis due to sample matrix interference. Reporting limits were adjusted accordingly. One or more of the surrogates could not be evaluated as a result of the dilution.

**Lab ID:** 2241218003

**Sample ID:** P001-LW-020

**Sample Type:** SAMPLE

This sample was collected in a soil jar for the volatile analysis. The sample was prepared by Method 5035 after the 48-hour holding time.

The GCMS volatiles analysis was performed at a dilution due to the level of target compounds.

**Lab ID:** 2241218008

**Sample ID:** P001-LW-031

**Sample Type:** SAMPLE

This sample was collected in a soil jar for the volatile analysis. The sample was prepared by Method 5035 after the 48-hour holding time.

This sample was analyzed at a dilution in the 8081 Pesticide analysis due to sample matrix interference. Reporting limits were adjusted accordingly. One or more of the surrogates could not be evaluated as a result of the dilution.

**Lab ID:** 2241218018

**Sample ID:** P001-LW-057

**Sample Type:** SAMPLE

This sample was collected in a soil jar for the volatile analysis. The sample was prepared by Method 5035 after the 48-hour holding time.

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## ANALYTICAL RESULTS

Workorder: 2241218 WEN010|2017-EP-S2-14-01 RFP NO

Lab ID:	<b>2241218001</b>	Date Collected:	6/21/2017 15:53	Matrix:	Liquid Waste
Sample ID:	<b>P001-LW-006</b>	Date Received:	6/23/2017 19:50		

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
Total Polychlorinated Biphenyl	ND		ug/L	10.0	10.0	SW846 8082A	6/27/17 08:25 CAC	6/29/17 17:17	EGO	A
<b>VOLATILE ORGANICS</b>										
Acetone	14100		ug/L	5000	1550	SW846 8260B		6/29/17 16:21	TMP	A
Benzene	ND		ug/L	500	115	SW846 8260B		6/29/17 16:21	TMP	A
Bromochloromethane	ND		ug/L	500	160	SW846 8260B		6/29/17 16:21	TMP	A
Bromodichloromethane	ND		ug/L	500	135	SW846 8260B		6/29/17 16:21	TMP	A
Bromoform	ND		ug/L	500	200	SW846 8260B		6/29/17 16:21	TMP	A
Bromomethane	370J	J	ug/L	500	195	SW846 8260B		6/29/17 16:21	TMP	A
2-Butanone	1010J	J	ug/L	5000	900	SW846 8260B		6/29/17 16:21	TMP	A
Carbon Disulfide	ND		ug/L	500	115	SW846 8260B		6/29/17 16:21	TMP	A
Carbon Tetrachloride	ND		ug/L	500	155	SW846 8260B		6/29/17 16:21	TMP	A
Chlorobenzene	ND		ug/L	500	95.0	SW846 8260B		6/29/17 16:21	TMP	A
Chlorodibromomethane	ND		ug/L	500	225	SW846 8260B		6/29/17 16:21	TMP	A
Chloroethane	ND		ug/L	500	165	SW846 8260B		6/29/17 16:21	TMP	A
Chloroform	ND		ug/L	500	105	SW846 8260B		6/29/17 16:21	TMP	A
Chloromethane	ND		ug/L	500	155	SW846 8260B		6/29/17 16:21	TMP	A
Cyclohexane	ND		ug/L	500	145	SW846 8260B		6/29/17 16:21	TMP	A
1,2-Dibromo-3-chloropropane	ND		ug/L	3500	750	SW846 8260B		6/29/17 16:21	TMP	A
1,2-Dibromoethane	ND		ug/L	500	140	SW846 8260B		6/29/17 16:21	TMP	A
1,2-Dichlorobenzene	ND		ug/L	500	190	SW846 8260B		6/29/17 16:21	TMP	A
1,3-Dichlorobenzene	ND		ug/L	500	125	SW846 8260B		6/29/17 16:21	TMP	A
1,4-Dichlorobenzene	ND		ug/L	500	135	SW846 8260B		6/29/17 16:21	TMP	A
Dichlorodifluoromethane	ND		ug/L	500	165	SW846 8260B		6/29/17 16:21	TMP	A
1,1-Dichloroethane	ND		ug/L	500	140	SW846 8260B		6/29/17 16:21	TMP	A
1,2-Dichloroethane	ND		ug/L	500	160	SW846 8260B		6/29/17 16:21	TMP	A
1,1-Dichloroethene	ND		ug/L	500	145	SW846 8260B		6/29/17 16:21	TMP	A
cis-1,2-Dichloroethene	ND		ug/L	500	160	SW846 8260B		6/29/17 16:21	TMP	A
trans-1,2-Dichloroethene	ND		ug/L	500	130	SW846 8260B		6/29/17 16:21	TMP	A
1,2-Dichloropropane	ND		ug/L	500	120	SW846 8260B		6/29/17 16:21	TMP	A
cis-1,3-Dichloropropene	ND		ug/L	500	155	SW846 8260B		6/29/17 16:21	TMP	A
trans-1,3-Dichloropropene	ND		ug/L	500	145	SW846 8260B		6/29/17 16:21	TMP	A
1,4-Dioxane	ND		ug/L	160000	29500	SW846 8260B		6/29/17 16:21	TMP	A
Ethylbenzene	ND		ug/L	500	170	SW846 8260B		6/29/17 16:21	TMP	A
Freon 113	ND		ug/L	500	130	SW846 8260B		6/29/17 16:21	TMP	A
2-Hexanone	ND		ug/L	2500	650	SW846 8260B		6/29/17 16:21	TMP	A

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## ANALYTICAL RESULTS

Workorder: 2241218 WEN010|2017-EP-S2-14-01 RFP NO

Lab ID: **2241218001** Date Collected: 6/21/2017 15:53 Matrix: Liquid Waste  
Sample ID: **P001-LW-006** Date Received: 6/23/2017 19:50

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr	
Isopropylbenzene	ND		ug/L	500	110	SW846 8260B		6/29/17 16:21	TMP	A	
Methyl acetate	ND		ug/L	1000	160	SW846 8260B		6/29/17 16:21	TMP	A	
Methyl cyclohexane	ND		ug/L	500	150	SW846 8260B		6/29/17 16:21	TMP	A	
Methyl t-Butyl Ether	ND		ug/L	500	165	SW846 8260B		6/29/17 16:21	TMP	A	
4-Methyl-2-Pentanone(MIBK)	ND		ug/L	2500	750	SW846 8260B		6/29/17 16:21	TMP	A	
Methylene Chloride	ND		ug/L	500	225	SW846 8260B		6/29/17 16:21	TMP	A	
Styrene	ND		ug/L	500	120	SW846 8260B		6/29/17 16:21	TMP	A	
1,1,2,2-Tetrachloroethane	ND		ug/L	500	170	SW846 8260B		6/29/17 16:21	TMP	A	
Tetrachloroethene	ND		ug/L	500	175	SW846 8260B		6/29/17 16:21	TMP	A	
Toluene	ND		ug/L	500	115	SW846 8260B		6/29/17 16:21	TMP	A	
Total Xylenes	ND		ug/L	1500	330	SW846 8260B		6/29/17 16:21	TMP	A	
1,2,3-Trichlorobenzene	ND		ug/L	1000	465	SW846 8260B		6/29/17 16:21	TMP	A	
1,2,4-Trichlorobenzene	ND		ug/L	1000	410	SW846 8260B		6/29/17 16:21	TMP	A	
1,1,1-Trichloroethane	ND		ug/L	500	110	SW846 8260B		6/29/17 16:21	TMP	A	
1,1,2-Trichloroethane	ND		ug/L	500	165	SW846 8260B		6/29/17 16:21	TMP	A	
Trichloroethene	ND		ug/L	500	165	SW846 8260B		6/29/17 16:21	TMP	A	
Trichlorofluoromethane	ND		ug/L	500	120	SW846 8260B		6/29/17 16:21	TMP	A	
Vinyl Chloride	ND		ug/L	500	150	SW846 8260B		6/29/17 16:21	TMP	A	
o-Xylene	ND		ug/L	500	165	SW846 8260B		6/29/17 16:21	TMP	A	
mp-Xylene	ND		ug/L	1000	260	SW846 8260B		6/29/17 16:21	TMP	A	
<i>Surrogate Recoveries</i>		Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichloroethane-d4 (S)	105		%	62 - 133		SW846 8260B		6/29/17 16:21	TMP	A	
4-Bromofluorobenzene (S)	96.1		%	79 - 114		SW846 8260B		6/29/17 16:21	TMP	A	
Dibromofluoromethane (S)	77.6	1	%	78 - 116		SW846 8260B		6/29/17 16:21	TMP	A	
Toluene-d8 (S)	97.9		%	76 - 127		SW846 8260B		6/29/17 16:21	TMP	A	
<b>SEMIVOLATILES</b>											
Acenaphthene	ND		ug/L	1200	120	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:11	DHF	A	
Acenaphthylene	ND		ug/L	1200	152	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:11	DHF	A	
Acetophenone	ND		ug/L	2400	192	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:11	DHF	A	
Anthracene	ND		ug/L	1200	120	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:11	DHF	A	
Atrazine	ND		ug/L	2400	192	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:11	DHF	A	
Benzaldehyde	ND		ug/L	2400	208	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:11	DHF	A	
Benzo(a)anthracene	158J	J	ug/L	1200	104	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:11	DHF	A	
Benzo(a)pyrene	ND		ug/L	1200	176	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:11	DHF	A	
Benzo(b)fluoranthene	ND		ug/L	1200	88.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:11	DHF	A	
Benzo(g,h,i)perylene	ND		ug/L	1200	176	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:11	DHF	A	
Benzo(k)fluoranthene	ND		ug/L	1200	152	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:11	DHF	A	

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State Certifications: DE ID 11 , MA PA0102 , MD 128 , VA 460157 , WV 343

## ANALYTICAL RESULTS

Workorder: 2241218 WEN010|2017-EP-S2-14-01 RFP NO

Lab ID: **2241218001** Date Collected: 6/21/2017 15:53 Matrix: Liquid Waste  
Sample ID: **P001-LW-006** Date Received: 6/23/2017 19:50

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
Biphenyl	ND		ug/L	2400	136	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:11	DHF	A
4-Bromophenyl-phenylether	ND		ug/L	2400	136	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:11	DHF	A
Butylbenzylphthalate	995J	J	ug/L	2400	88.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:11	DHF	A
Caprolactam	ND		ug/L	2400	224	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:11	DHF	A
Carbazole	ND		ug/L	2400	96.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:11	DHF	A
4-Chloro-3-methylphenol	ND		ug/L	2400	152	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:11	DHF	A
4-Chloroaniline	ND		ug/L	2400	168	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:11	DHF	A
bis(2-Chloroethoxy)methane	ND		ug/L	2400	168	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:11	DHF	A
bis(2-Chloroethyl)ether	ND		ug/L	2400	136	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:11	DHF	A
bis(2-Chloroisopropyl)ether	ND		ug/L	2400	224	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:11	DHF	A
2-Chloronaphthalene	ND		ug/L	2400	144	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:11	DHF	A
2-Chlorophenol	ND		ug/L	2400	264	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:11	DHF	A
4-Chlorophenyl-phenylether	ND		ug/L	2400	112	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:11	DHF	A
Chrysene	ND		ug/L	1200	96.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:11	DHF	A
mp-Cresol	135J	J	ug/L	2400	120	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:11	DHF	A
o-Cresol	ND		ug/L	2400	200	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:11	DHF	A
Di-n-Butylphthalate	ND		ug/L	2400	112	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:11	DHF	A
Di-n-Octylphthalate	ND		ug/L	2400	80.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:11	DHF	A
Dibenzo(a,h)anthracene	ND		ug/L	1200	168	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:11	DHF	A
Dibenzofuran	ND		ug/L	2400	88.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:11	DHF	A
3,3-Dichlorobenzidine	ND		ug/L	2400	384	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:11	DHF	A
2,4-Dichlorophenol	ND		ug/L	2400	256	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:11	DHF	A
Diethylphthalate	ND		ug/L	2400	144	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:11	DHF	A
2,4-Dimethylphenol	ND		ug/L	2400	168	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:11	DHF	A
Dimethylphthalate	ND		ug/L	2400	112	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:11	DHF	A
2,4-Dinitrophenol	ND		ug/L	4800	1450	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:11	DHF	A
2,4-Dinitrotoluene	ND		ug/L	2400	96.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:11	DHF	A
2,6-Dinitrotoluene	ND		ug/L	2400	168	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:11	DHF	A
1,4-Dioxane	ND		ug/L	2400	552	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:11	DHF	A
bis(2-Ethylhexyl)phthalate	ND		ug/L	2400	176	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:11	DHF	A
Fluoranthene	136J	J	ug/L	1200	136	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:11	DHF	A
Fluorene	ND		ug/L	1200	160	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:11	DHF	A
Hexachlorobenzene	ND		ug/L	2400	184	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:11	DHF	A
Hexachlorobutadiene	ND		ug/L	2400	152	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:11	DHF	A
Hexachlorocyclopentadiene	ND		ug/L	2400	136	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:11	DHF	A
Hexachloroethane	ND		ug/L	2400	240	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:11	DHF	A
Indeno(1,2,3-cd)pyrene	ND		ug/L	1200	80.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:11	DHF	A
Isophorone	ND		ug/L	2400	120	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:11	DHF	A

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## ANALYTICAL RESULTS

Workorder: 2241218 WEN010|2017-EP-S2-14-01 RFP NO

Lab ID: **2241218001** Date Collected: 6/21/2017 15:53 Matrix: Liquid Waste  
Sample ID: **P001-LW-006** Date Received: 6/23/2017 19:50

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
2-Methyl-4,6-dinitrophenol	ND		ug/L	4800	264	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:11	DHF	A
2-Methylnaphthalene	1090J	J	ug/L	1200	128	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:11	DHF	A
Naphthalene	248J	J	ug/L	1200	96.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:11	DHF	A
2-Nitroaniline	ND		ug/L	2400	160	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:11	DHF	A
3-Nitroaniline	ND		ug/L	2400	144	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:11	DHF	A
4-Nitroaniline	ND		ug/L	2400	328	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:11	DHF	A
Nitrobenzene	ND		ug/L	2400	224	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:11	DHF	A
2-Nitrophenol	ND		ug/L	2400	360	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:11	DHF	A
4-Nitrophenol	ND		ug/L	2400	840	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:11	DHF	A
N-Nitroso-di-n-propylamine	ND		ug/L	2400	192	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:11	DHF	A
N-Nitrosodiphenylamine	ND		ug/L	2400	144	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:11	DHF	A
Pentachlorophenol	ND		ug/L	4800	856	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:11	DHF	A
Phenanthrene	295J	J	ug/L	1200	104	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:11	DHF	A
Phenol	ND		ug/L	6400	184	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:11	DHF	A
Pyrene	209J	J	ug/L	1200	128	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:11	DHF	A
1,2,4,5-Tetrachlorobenzene	ND		ug/L	2400	152	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:11	DHF	A
2,3,4,6-Tetrachlorophenol	ND		ug/L	2400	384	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:11	DHF	A
2,4,5-Trichlorophenol	ND		ug/L	2400	440	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:11	DHF	A
2,4,6-Trichlorophenol	ND		ug/L	2400	456	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:11	DHF	A
<b>Surrogate Recoveries</b>	<b>Results</b>	<b>Flag</b>	<b>Units</b>	<b>Limits</b>		<b>Method</b>	<b>Prepared</b>	<b>By</b>	<b>Analyzed</b>	<b>By</b>
2,4,6-Tribromophenol (S)	91.8		%	47 - 128		SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:11	DHF	A
2-Fluorobiphenyl (S)	83.7		%	52 - 118		SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:11	DHF	A
2-Fluorophenol (S)	44.2		%	20 - 87		SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:11	DHF	A
Nitrobenzene-d5 (S)	84.2		%	27 - 139		SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:11	DHF	A
Phenol-d5 (S)	33.3		%	10 - 81		SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:11	DHF	A
Terphenyl-d14 (S)	74.6		%	46 - 133		SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:11	DHF	A
<b>PCBs</b>										
Aroclor-1016	ND		ug/L	10.0	1.2	SW846 8082A	6/27/17 08:25 CAC	6/29/17 17:17	EGO	A
Aroclor-1221	ND		ug/L	10.0	1.4	SW846 8082A	6/27/17 08:25 CAC	6/29/17 17:17	EGO	A
Aroclor-1232	ND		ug/L	10.0	3.8	SW846 8082A	6/27/17 08:25 CAC	6/29/17 17:17	EGO	A
Aroclor-1242	ND		ug/L	10.0	4.8	SW846 8082A	6/27/17 08:25 CAC	6/29/17 17:17	EGO	A
Aroclor-1248	ND		ug/L	10.0	2.8	SW846 8082A	6/27/17 08:25 CAC	6/29/17 17:17	EGO	A
Aroclor-1254	ND		ug/L	10.0	2.0	SW846 8082A	6/27/17 08:25 CAC	6/29/17 17:17	EGO	A
Aroclor-1260	ND		ug/L	10.0	1.4	SW846 8082A	6/27/17 08:25 CAC	6/29/17 17:17	EGO	A
Aroclor-1262	ND		ug/L	10.0	2.0	SW846 8082A	6/27/17 08:25 CAC	6/29/17 17:17	EGO	A
Aroclor-1268	ND		ug/L	10.0	3.4	SW846 8082A	6/27/17 08:25 CAC	6/29/17 17:17	EGO	A
<b>Surrogate Recoveries</b>	<b>Results</b>	<b>Flag</b>	<b>Units</b>	<b>Limits</b>		<b>Method</b>	<b>Prepared</b>	<b>By</b>	<b>Analyzed</b>	<b>By</b>

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## ANALYTICAL RESULTS

Workorder: 2241218 WEN010|2017-EP-S2-14-01 RFP NO

Lab ID:	<b>2241218001</b>	Date Collected:	6/21/2017 15:53	Matrix:	Liquid Waste
Sample ID:	<b>P001-LW-006</b>	Date Received:	6/23/2017 19:50		

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
Decachlorobiphenyls (S)	10.1	2	%	30 - 140		SW846 8082A	6/27/17 08:25 CAC	6/29/17 17:17	EGO	A
Tetrachloro-m-xylene (S)	64		%	30 - 133		SW846 8082A	6/27/17 08:25 CAC	6/29/17 17:17	EGO	A
<b>PESTICIDES</b>										
Aldrin	ND		ug/L	8.0	2.0	SW846 8081B	6/27/17 08:25 CAC	6/30/17 16:32	RWS	A
alpha-BHC	ND		ug/L	8.0	0.80	SW846 8081B	6/27/17 08:25 CAC	6/30/17 16:32	RWS	A
beta-BHC	ND		ug/L	8.0	3.2	SW846 8081B	6/27/17 08:25 CAC	6/30/17 16:32	RWS	A
delta-BHC	ND		ug/L	8.0	1.2	SW846 8081B	6/27/17 08:25 CAC	6/30/17 16:32	RWS	A
gamma-BHC	ND		ug/L	8.0	1.2	SW846 8081B	6/27/17 08:25 CAC	6/30/17 16:32	RWS	A
alpha-Chlordane	ND		ug/L	8.0	1.2	SW846 8081B	6/27/17 08:25 CAC	6/30/17 16:32	RWS	A
gamma-Chlordane	ND		ug/L	8.0	1.2	SW846 8081B	6/27/17 08:25 CAC	6/30/17 16:32	RWS	A
4,4'-DDD	ND		ug/L	8.0	2.8	SW846 8081B	6/27/17 08:25 CAC	6/30/17 16:32	RWS	A
4,4'-DDE	ND		ug/L	8.0	2.8	SW846 8081B	6/27/17 08:25 CAC	6/30/17 16:32	RWS	A
4,4'-DDT	ND		ug/L	8.0	2.4	SW846 8081B	6/27/17 08:25 CAC	6/30/17 16:32	RWS	A
Dieldrin	4.9J	J	ug/L	8.0	1.2	SW846 8081B	6/27/17 08:25 CAC	6/30/17 16:32	RWS	A
Endosulfan I	ND		ug/L	8.0	1.2	SW846 8081B	6/27/17 08:25 CAC	6/30/17 16:32	RWS	A
Endosulfan II	ND		ug/L	8.0	2.4	SW846 8081B	6/27/17 08:25 CAC	6/30/17 16:32	RWS	A
Endosulfan Sulfate	ND		ug/L	8.0	1.6	SW846 8081B	6/27/17 08:25 CAC	6/30/17 16:32	RWS	A
Endrin	ND		ug/L	8.0	3.2	SW846 8081B	6/27/17 08:25 CAC	6/30/17 16:32	RWS	A
Endrin Aldehyde	ND		ug/L	8.0	4.0	SW846 8081B	6/27/17 08:25 CAC	6/30/17 16:32	RWS	A
Endrin Ketone	ND		ug/L	8.0	1.6	SW846 8081B	6/27/17 08:25 CAC	6/30/17 16:32	RWS	A
Heptachlor	ND		ug/L	8.0	1.2	SW846 8081B	6/27/17 08:25 CAC	6/30/17 16:32	RWS	A
Heptachlor Epoxide	ND		ug/L	8.0	1.6	SW846 8081B	6/27/17 08:25 CAC	6/30/17 16:32	RWS	A
Methoxychlor	ND		ug/L	8.0	3.6	SW846 8081B	6/27/17 08:25 CAC	6/30/17 16:32	RWS	A
Toxaphene	ND		ug/L	400	76.0	SW846 8081B	6/27/17 08:25 CAC	6/30/17 16:32	RWS	A
<i>Surrogate Recoveries</i>										
Decachlorobiphenyls (S)	168		%	30 - 140		SW846 8081B	6/27/17 08:25 CAC	6/30/17 16:32	RWS	A
Tetrachloro-m-xylene (S)	113		%	30 - 123		SW846 8081B	6/27/17 08:25 CAC	6/30/17 16:32	RWS	A
<b>WET CHEMISTRY</b>										
Corrosivity as pH	2.65	5	pH_Units			SW846 9040C		6/30/17 03:29	MSA	A
Cyanide, Reactive	ND		ppm	10	0.011	SW-846 7.3CN	6/28/17 17:00 AHI	6/29/17 14:01	CTD	A
Cyanide, Total	0.030J	J	mg/L	0.050	0.022	SW846 9012B	6/27/17 11:13 CTD	6/27/17 15:43	CTD	A
Flashpoint/Ignitability	See comment	3,4	Deg. F			SW-846 1010A		6/27/17 06:00	SDL	A
Sulfide, Reactive	163		ppm	6.2	1.2	SW846 7.3	6/28/17 17:00 AHI	6/30/17 11:15	AHI	A
<b>METALS</b>										
Aluminum, Total	5.1		mg/L	5.0	1.6	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:17	SRT	A3
Antimony, Total	ND		mg/L	0.99	0.45	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:17	SRT	A3

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## ANALYTICAL RESULTS

Workorder: 2241218 WEN010|2017-EP-S2-14-01 RFP NO

Lab ID:	<b>2241218001</b>	Date Collected:	6/21/2017 15:53	Matrix:	Liquid Waste
Sample ID:	<b>P001-LW-006</b>	Date Received:	6/23/2017 19:50		

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
Arsenic, Total	ND		mg/L	0.41	0.14	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:17	SRT	A3
Barium, Total	ND		mg/L	0.50	0.16	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:17	SRT	A3
Beryllium, Total	ND		mg/L	0.20	0.063	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:17	SRT	A3
Cadmium, Total	ND		mg/L	0.099	0.033	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:17	SRT	A3
Calcium, Total	71.8		mg/L	5.0	1.6	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:17	SRT	A3
Chromium, Total	0.31		mg/L	0.25	0.090	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:17	SRT	A3
Cobalt, Total	ND		mg/L	0.25	0.090	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:17	SRT	A3
Copper, Total	4.6		mg/L	0.50	0.16	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:17	SRT	A3
Iron, Total	112		mg/L	3.0	0.99	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:17	SRT	A3
Lead, Total	0.27J	J	mg/L	0.30	0.099	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:17	SRT	A3
Magnesium, Total	21.9		mg/L	5.0	1.6	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:17	SRT	A3
Manganese, Total	0.97		mg/L	0.25	0.090	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:17	SRT	A3
Mercury, Total	ND		mg/L	0.013	0.0042	SW846 7470A	6/28/17 00:25 AXC	6/28/17 04:15	AXC	A2
Nickel, Total	0.78J	J	mg/L	0.99	0.33	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:17	SRT	A3
Potassium, Total	18.7J	J	mg/L	25.0	8.1	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:17	SRT	A3
Selenium, Total	ND		mg/L	0.99	0.33	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:17	SRT	A3
Silver, Total	ND		mg/L	0.20	0.063	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:17	SRT	A3
Sodium, Total	5910		mg/L	25.0	8.1	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:17	SRT	A3
Thallium, Total	4.0		mg/L	0.99	0.33	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:17	SRT	A3
Vanadium, Total	ND		mg/L	0.25	0.090	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:17	SRT	A3
Zinc, Total	179		mg/L	0.99	0.33	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:17	SRT	A3

Ms. Susan J Scherer

Project Coordinator

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## ANALYTICAL RESULTS

Workorder: 2241218 WEN010|2017-EP-S2-14-01 RFP NO

Lab ID:	<b>2241218002</b>	Date Collected:	6/21/2017 15:50	Matrix:	Liquid Waste
Sample ID:	<b>P001-LW-008</b>	Date Received:	6/23/2017 19:50		

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
Total Polychlorinated Biphenyl	ND		ug/L	20.0	20.0	SW846 8082A	6/27/17 08:25 CAC	6/29/17 17:29	EGO	A
<b>VOLATILE ORGANICS</b>										
Acetone	ND		ug/L	5000	1550	SW846 8260B		6/29/17 16:43	TMP	A
Benzene	ND		ug/L	500	115	SW846 8260B		6/29/17 16:43	TMP	A
Bromochloromethane	ND		ug/L	500	160	SW846 8260B		6/29/17 16:43	TMP	A
Bromodichloromethane	ND		ug/L	500	135	SW846 8260B		6/29/17 16:43	TMP	A
Bromoform	ND		ug/L	500	200	SW846 8260B		6/29/17 16:43	TMP	A
Bromomethane	483J	J	ug/L	500	195	SW846 8260B		6/29/17 16:43	TMP	A
2-Butanone	ND		ug/L	5000	900	SW846 8260B		6/29/17 16:43	TMP	A
Carbon Disulfide	ND		ug/L	500	115	SW846 8260B		6/29/17 16:43	TMP	A
Carbon Tetrachloride	ND		ug/L	500	155	SW846 8260B		6/29/17 16:43	TMP	A
Chlorobenzene	ND		ug/L	500	95.0	SW846 8260B		6/29/17 16:43	TMP	A
Chlorodibromomethane	ND		ug/L	500	225	SW846 8260B		6/29/17 16:43	TMP	A
Chloroethane	ND		ug/L	500	165	SW846 8260B		6/29/17 16:43	TMP	A
Chloroform	ND		ug/L	500	105	SW846 8260B		6/29/17 16:43	TMP	A
Chloromethane	ND		ug/L	500	155	SW846 8260B		6/29/17 16:43	TMP	A
Cyclohexane	ND		ug/L	500	145	SW846 8260B		6/29/17 16:43	TMP	A
1,2-Dibromo-3-chloropropane	ND		ug/L	3500	750	SW846 8260B		6/29/17 16:43	TMP	A
1,2-Dibromoethane	ND		ug/L	500	140	SW846 8260B		6/29/17 16:43	TMP	A
1,2-Dichlorobenzene	ND		ug/L	500	190	SW846 8260B		6/29/17 16:43	TMP	A
1,3-Dichlorobenzene	ND		ug/L	500	125	SW846 8260B		6/29/17 16:43	TMP	A
1,4-Dichlorobenzene	ND		ug/L	500	135	SW846 8260B		6/29/17 16:43	TMP	A
Dichlorodifluoromethane	ND		ug/L	500	165	SW846 8260B		6/29/17 16:43	TMP	A
1,1-Dichloroethane	ND		ug/L	500	140	SW846 8260B		6/29/17 16:43	TMP	A
1,2-Dichloroethane	ND		ug/L	500	160	SW846 8260B		6/29/17 16:43	TMP	A
1,1-Dichloroethene	ND		ug/L	500	145	SW846 8260B		6/29/17 16:43	TMP	A
cis-1,2-Dichloroethene	ND		ug/L	500	160	SW846 8260B		6/29/17 16:43	TMP	A
trans-1,2-Dichloroethene	ND		ug/L	500	130	SW846 8260B		6/29/17 16:43	TMP	A
1,2-Dichloropropane	ND		ug/L	500	120	SW846 8260B		6/29/17 16:43	TMP	A
cis-1,3-Dichloropropene	ND		ug/L	500	155	SW846 8260B		6/29/17 16:43	TMP	A
trans-1,3-Dichloropropene	ND		ug/L	500	145	SW846 8260B		6/29/17 16:43	TMP	A
1,4-Dioxane	ND		ug/L	160000	29500	SW846 8260B		6/29/17 16:43	TMP	A
Ethylbenzene	ND		ug/L	500	170	SW846 8260B		6/29/17 16:43	TMP	A
Freon 113	ND		ug/L	500	130	SW846 8260B		6/29/17 16:43	TMP	A
2-Hexanone	ND		ug/L	2500	650	SW846 8260B		6/29/17 16:43	TMP	A

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## ANALYTICAL RESULTS

Workorder: 2241218 WEN010|2017-EP-S2-14-01 RFP NO

Lab ID: **2241218002** Date Collected: 6/21/2017 15:50 Matrix: Liquid Waste  
Sample ID: **P001-LW-008** Date Received: 6/23/2017 19:50

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr	
Isopropylbenzene	ND		ug/L	500	110	SW846 8260B		6/29/17 16:43	TMP	A	
Methyl acetate	ND		ug/L	1000	160	SW846 8260B		6/29/17 16:43	TMP	A	
Methyl cyclohexane	ND		ug/L	500	150	SW846 8260B		6/29/17 16:43	TMP	A	
Methyl t-Butyl Ether	ND		ug/L	500	165	SW846 8260B		6/29/17 16:43	TMP	A	
4-Methyl-2-Pentanone(MIBK)	ND		ug/L	2500	750	SW846 8260B		6/29/17 16:43	TMP	A	
Methylene Chloride	ND		ug/L	500	225	SW846 8260B		6/29/17 16:43	TMP	A	
Styrene	ND		ug/L	500	120	SW846 8260B		6/29/17 16:43	TMP	A	
1,1,2,2-Tetrachloroethane	ND		ug/L	500	170	SW846 8260B		6/29/17 16:43	TMP	A	
Tetrachloroethene	ND		ug/L	500	175	SW846 8260B		6/29/17 16:43	TMP	A	
Toluene	ND		ug/L	500	115	SW846 8260B		6/29/17 16:43	TMP	A	
Total Xylenes	ND		ug/L	1500	330	SW846 8260B		6/29/17 16:43	TMP	A	
1,2,3-Trichlorobenzene	ND		ug/L	1000	465	SW846 8260B		6/29/17 16:43	TMP	A	
1,2,4-Trichlorobenzene	ND		ug/L	1000	410	SW846 8260B		6/29/17 16:43	TMP	A	
1,1,1-Trichloroethane	ND		ug/L	500	110	SW846 8260B		6/29/17 16:43	TMP	A	
1,1,2-Trichloroethane	ND		ug/L	500	165	SW846 8260B		6/29/17 16:43	TMP	A	
Trichloroethene	ND		ug/L	500	165	SW846 8260B		6/29/17 16:43	TMP	A	
Trichlorofluoromethane	ND		ug/L	500	120	SW846 8260B		6/29/17 16:43	TMP	A	
Vinyl Chloride	ND		ug/L	500	150	SW846 8260B		6/29/17 16:43	TMP	A	
o-Xylene	ND		ug/L	500	165	SW846 8260B		6/29/17 16:43	TMP	A	
mp-Xylene	ND		ug/L	1000	260	SW846 8260B		6/29/17 16:43	TMP	A	
Surrogate Recoveries	Results	Flag	Units	Limits		Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichloroethane-d4 (S)	103		%	62 - 133		SW846 8260B		6/29/17 16:43	TMP	A	
4-Bromofluorobenzene (S)	96.6		%	79 - 114		SW846 8260B		6/29/17 16:43	TMP	A	
Dibromofluoromethane (S)	70.2	1	%	78 - 116		SW846 8260B		6/29/17 16:43	TMP	A	
Toluene-d8 (S)	100		%	76 - 127		SW846 8260B		6/29/17 16:43	TMP	A	
SEMIVOLATILES											
Acenaphthene	ND		ug/L	600	60.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 02:24	DHF	A	
Acenaphthylene	ND		ug/L	600	76.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 02:24	DHF	A	
Acetophenone	ND		ug/L	1200	96.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 02:24	DHF	A	
Anthracene	ND		ug/L	600	60.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 02:24	DHF	A	
Atrazine	ND		ug/L	1200	96.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 02:24	DHF	A	
Benzaldehyde	ND		ug/L	1200	104	SW846 8270D	6/28/17 10:30 JTH	6/29/17 02:24	DHF	A	
Benzo(a)anthracene	ND		ug/L	600	52.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 02:24	DHF	A	
Benzo(a)pyrene	ND		ug/L	600	88.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 02:24	DHF	A	
Benzo(b)fluoranthene	ND		ug/L	600	44.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 02:24	DHF	A	
Benzo(g,h,i)perylene	ND		ug/L	600	88.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 02:24	DHF	A	
Benzo(k)fluoranthene	ND		ug/L	600	76.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 02:24	DHF	A	

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## ANALYTICAL RESULTS

Workorder: 2241218 WEN010|2017-EP-S2-14-01 RFP NO

Lab ID: **2241218002** Date Collected: 6/21/2017 15:50 Matrix: Liquid Waste  
Sample ID: **P001-LW-008** Date Received: 6/23/2017 19:50

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
Biphenyl	ND		ug/L	1200	68.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 02:24	DHF	A
4-Bromophenyl-phenylether	ND		ug/L	1200	68.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 02:24	DHF	A
Butylbenzylphthalate	ND		ug/L	1200	44.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 02:24	DHF	A
Caprolactam	ND		ug/L	1200	112	SW846 8270D	6/28/17 10:30 JTH	6/29/17 02:24	DHF	A
Carbazole	ND		ug/L	1200	48.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 02:24	DHF	A
4-Chloro-3-methylphenol	ND		ug/L	1200	76.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 02:24	DHF	A
4-Chloroaniline	ND		ug/L	1200	84.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 02:24	DHF	A
bis(2-Chloroethoxy)methane	ND		ug/L	1200	84.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 02:24	DHF	A
bis(2-Chloroethyl)ether	ND		ug/L	1200	68.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 02:24	DHF	A
bis(2-Chloroisopropyl)ether	ND		ug/L	1200	112	SW846 8270D	6/28/17 10:30 JTH	6/29/17 02:24	DHF	A
2-Chloronaphthalene	ND		ug/L	1200	72.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 02:24	DHF	A
2-Chlorophenol	ND		ug/L	1200	132	SW846 8270D	6/28/17 10:30 JTH	6/29/17 02:24	DHF	A
4-Chlorophenyl-phenylether	ND		ug/L	1200	56.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 02:24	DHF	A
Chrysene	ND		ug/L	600	48.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 02:24	DHF	A
mp-Cresol	ND		ug/L	1200	60.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 02:24	DHF	A
o-Cresol	ND		ug/L	1200	100	SW846 8270D	6/28/17 10:30 JTH	6/29/17 02:24	DHF	A
Di-n-Butylphthalate	ND		ug/L	1200	56.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 02:24	DHF	A
Di-n-Octylphthalate	ND		ug/L	1200	40.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 02:24	DHF	A
Dibenzo(a,h)anthracene	ND		ug/L	600	84.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 02:24	DHF	A
Dibenzofuran	ND		ug/L	1200	44.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 02:24	DHF	A
3,3-Dichlorobenzidine	ND		ug/L	1200	192	SW846 8270D	6/28/17 10:30 JTH	6/29/17 02:24	DHF	A
2,4-Dichlorophenol	ND		ug/L	1200	128	SW846 8270D	6/28/17 10:30 JTH	6/29/17 02:24	DHF	A
Diethylphthalate	ND		ug/L	1200	72.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 02:24	DHF	A
2,4-Dimethylphenol	ND		ug/L	1200	84.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 02:24	DHF	A
Dimethylphthalate	ND		ug/L	1200	56.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 02:24	DHF	A
2,4-Dinitrophenol	ND		ug/L	2400	724	SW846 8270D	6/28/17 10:30 JTH	6/29/17 02:24	DHF	A
2,4-Dinitrotoluene	ND		ug/L	1200	48.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 02:24	DHF	A
2,6-Dinitrotoluene	ND		ug/L	1200	84.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 02:24	DHF	A
1,4-Dioxane	ND		ug/L	1200	276	SW846 8270D	6/28/17 10:30 JTH	6/29/17 02:24	DHF	A
bis(2-Ethylhexyl)phthalate	152J	J	ug/L	1200	88.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 02:24	DHF	A
Fluoranthene	ND		ug/L	600	68.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 02:24	DHF	A
Fluorene	ND		ug/L	600	80.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 02:24	DHF	A
Hexachlorobenzene	ND		ug/L	1200	92.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 02:24	DHF	A
Hexachlorobutadiene	ND		ug/L	1200	76.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 02:24	DHF	A
Hexachlorocyclopentadiene	ND		ug/L	1200	68.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 02:24	DHF	A
Hexachloroethane	ND		ug/L	1200	120	SW846 8270D	6/28/17 10:30 JTH	6/29/17 02:24	DHF	A
Indeno(1,2,3-cd)pyrene	ND		ug/L	600	40.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 02:24	DHF	A
Isophorone	ND		ug/L	1200	60.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 02:24	DHF	A

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State Certifications: DE ID 11 , MA PA0102 , MD 128 , VA 460157 , WV 343

## ANALYTICAL RESULTS

Workorder: 2241218 WEN010|2017-EP-S2-14-01 RFP NO

Lab ID: **2241218002** Date Collected: 6/21/2017 15:50 Matrix: Liquid Waste  
Sample ID: **P001-LW-008** Date Received: 6/23/2017 19:50

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr	
2-Methyl-4,6-dinitrophenol	ND		ug/L	2400	132	SW846 8270D	6/28/17 10:30 JTH	6/29/17 02:24	DHF	A	
2-Methylnaphthalene	ND		ug/L	600	64.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 02:24	DHF	A	
Naphthalene	9720		ug/L	600	48.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 02:24	DHF	A	
2-Nitroaniline	ND		ug/L	1200	80.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 02:24	DHF	A	
3-Nitroaniline	ND		ug/L	1200	72.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 02:24	DHF	A	
4-Nitroaniline	ND		ug/L	1200	164	SW846 8270D	6/28/17 10:30 JTH	6/29/17 02:24	DHF	A	
Nitrobenzene	ND		ug/L	1200	112	SW846 8270D	6/28/17 10:30 JTH	6/29/17 02:24	DHF	A	
2-Nitrophenol	ND		ug/L	1200	180	SW846 8270D	6/28/17 10:30 JTH	6/29/17 02:24	DHF	A	
4-Nitrophenol	ND		ug/L	1200	420	SW846 8270D	6/28/17 10:30 JTH	6/29/17 02:24	DHF	A	
N-Nitroso-di-n-propylamine	ND		ug/L	1200	96.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 02:24	DHF	A	
N-Nitrosodiphenylamine	ND		ug/L	1200	72.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 02:24	DHF	A	
Pentachlorophenol	ND		ug/L	2400	428	SW846 8270D	6/28/17 10:30 JTH	6/29/17 02:24	DHF	A	
Phenanthrene	ND		ug/L	600	52.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 02:24	DHF	A	
Phenol	ND		ug/L	3200	92.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 02:24	DHF	A	
Pyrene	ND		ug/L	600	64.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 02:24	DHF	A	
1,2,4,5-Tetrachlorobenzene	ND		ug/L	1200	76.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 02:24	DHF	A	
2,3,4,6-Tetrachlorophenol	ND		ug/L	1200	192	SW846 8270D	6/28/17 10:30 JTH	6/29/17 02:24	DHF	A	
2,4,5-Trichlorophenol	ND		ug/L	1200	220	SW846 8270D	6/28/17 10:30 JTH	6/29/17 02:24	DHF	A	
2,4,6-Trichlorophenol	ND		ug/L	1200	228	SW846 8270D	6/28/17 10:30 JTH	6/29/17 02:24	DHF	A	
<b>Surrogate Recoveries</b>		Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By Cntr	
2,4,6-Tribromophenol (S)		83.5		%	47 - 128	SW846 8270D	6/28/17 10:30 JTH	6/29/17 02:24	DHF	A	
2-Fluorobiphenyl (S)		78.1		%	52 - 118	SW846 8270D	6/28/17 10:30 JTH	6/29/17 02:24	DHF	A	
2-Fluorophenol (S)		41.5		%	20 - 87	SW846 8270D	6/28/17 10:30 JTH	6/29/17 02:24	DHF	A	
Nitrobenzene-d5 (S)		78.6		%	27 - 139	SW846 8270D	6/28/17 10:30 JTH	6/29/17 02:24	DHF	A	
Phenol-d5 (S)		29		%	10 - 81	SW846 8270D	6/28/17 10:30 JTH	6/29/17 02:24	DHF	A	
Terphenyl-d14 (S)		70.2		%	46 - 133	SW846 8270D	6/28/17 10:30 JTH	6/29/17 02:24	DHF	A	
<b>PCBs</b>											
Aroclor-1016		ND		ug/L	20.0	2.4	SW846 8082A	6/27/17 08:25 CAC	6/29/17 17:29	EGO	A
Aroclor-1221		ND		ug/L	20.0	2.8	SW846 8082A	6/27/17 08:25 CAC	6/29/17 17:29	EGO	A
Aroclor-1232		ND		ug/L	20.0	7.6	SW846 8082A	6/27/17 08:25 CAC	6/29/17 17:29	EGO	A
Aroclor-1242		ND		ug/L	20.0	9.6	SW846 8082A	6/27/17 08:25 CAC	6/29/17 17:29	EGO	A
Aroclor-1248		ND		ug/L	20.0	5.6	SW846 8082A	6/27/17 08:25 CAC	6/29/17 17:29	EGO	A
Aroclor-1254		ND		ug/L	20.0	4.0	SW846 8082A	6/27/17 08:25 CAC	6/29/17 17:29	EGO	A
Aroclor-1260		ND		ug/L	20.0	2.8	SW846 8082A	6/27/17 08:25 CAC	6/29/17 17:29	EGO	A
Aroclor-1262		ND		ug/L	20.0	4.0	SW846 8082A	6/27/17 08:25 CAC	6/29/17 17:29	EGO	A
Aroclor-1268		ND		ug/L	20.0	6.8	SW846 8082A	6/27/17 08:25 CAC	6/29/17 17:29	EGO	A
<b>Surrogate Recoveries</b>		Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By Cntr	

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## ANALYTICAL RESULTS

Workorder: 2241218 WEN010|2017-EP-S2-14-01 RFP NO

Lab ID: **2241218002** Date Collected: 6/21/2017 15:50 Matrix: Liquid Waste  
Sample ID: **P001-LW-008** Date Received: 6/23/2017 19:50

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
Decachlorobiphenyls (S)	34.8		%	30 - 140		SW846 8082A	6/27/17 08:25 CAC	6/29/17 17:29	EGO	A
Tetrachloro-m-xylene (S)	66.1		%	30 - 133		SW846 8082A	6/27/17 08:25 CAC	6/29/17 17:29	EGO	A
<b>PESTICIDES</b>										
Aldrin	ND		ug/L	0.80	0.20	SW846 8081B	6/27/17 08:25 CAC	6/30/17 16:47	RWS	A
alpha-BHC	ND		ug/L	0.80	0.080	SW846 8081B	6/27/17 08:25 CAC	6/30/17 16:47	RWS	A
beta-BHC	ND		ug/L	0.80	0.32	SW846 8081B	6/27/17 08:25 CAC	6/30/17 16:47	RWS	A
delta-BHC	ND		ug/L	0.80	0.12	SW846 8081B	6/27/17 08:25 CAC	6/30/17 16:47	RWS	A
gamma-BHC	ND		ug/L	0.80	0.12	SW846 8081B	6/27/17 08:25 CAC	6/30/17 16:47	RWS	A
alpha-Chlordane	ND		ug/L	0.80	0.12	SW846 8081B	6/27/17 08:25 CAC	6/30/17 16:47	RWS	A
gamma-Chlordane	ND		ug/L	0.80	0.12	SW846 8081B	6/27/17 08:25 CAC	6/30/17 16:47	RWS	A
4,4'-DDD	ND		ug/L	0.80	0.28	SW846 8081B	6/27/17 08:25 CAC	6/30/17 16:47	RWS	A
4,4'-DDE	ND		ug/L	0.80	0.28	SW846 8081B	6/27/17 08:25 CAC	6/30/17 16:47	RWS	A
4,4'-DDT	ND		ug/L	0.80	0.24	SW846 8081B	6/27/17 08:25 CAC	6/30/17 16:47	RWS	A
Dieldrin	ND		ug/L	0.80	0.12	SW846 8081B	6/27/17 08:25 CAC	6/30/17 16:47	RWS	A
Endosulfan I	ND		ug/L	0.80	0.12	SW846 8081B	6/27/17 08:25 CAC	6/30/17 16:47	RWS	A
Endosulfan II	ND		ug/L	0.80	0.24	SW846 8081B	6/27/17 08:25 CAC	6/30/17 16:47	RWS	A
Endosulfan Sulfate	ND		ug/L	0.80	0.16	SW846 8081B	6/27/17 08:25 CAC	6/30/17 16:47	RWS	A
Endrin	ND		ug/L	0.80	0.32	SW846 8081B	6/27/17 08:25 CAC	6/30/17 16:47	RWS	A
Endrin Aldehyde	ND		ug/L	0.80	0.40	SW846 8081B	6/27/17 08:25 CAC	6/30/17 16:47	RWS	A
Endrin Ketone	ND		ug/L	0.80	0.16	SW846 8081B	6/27/17 08:25 CAC	6/30/17 16:47	RWS	A
Heptachlor	ND		ug/L	0.80	0.12	SW846 8081B	6/27/17 08:25 CAC	6/30/17 16:47	RWS	A
Heptachlor Epoxide	ND		ug/L	0.80	0.16	SW846 8081B	6/27/17 08:25 CAC	6/30/17 16:47	RWS	A
Methoxychlor	ND		ug/L	0.80	0.36	SW846 8081B	6/27/17 08:25 CAC	6/30/17 16:47	RWS	A
Toxaphene	ND		ug/L	40.0	7.6	SW846 8081B	6/27/17 08:25 CAC	6/30/17 16:47	RWS	A
<i>Surrogate Recoveries</i>										
Decachlorobiphenyls (S)	24		%	30 - 140		SW846 8081B	6/27/17 08:25 CAC	6/30/17 16:47	RWS	A
Tetrachloro-m-xylene (S)	44.7		%	30 - 123		SW846 8081B	6/27/17 08:25 CAC	6/30/17 16:47	RWS	A
<b>WET CHEMISTRY</b>										
Corrosivity as pH	10.00	4	pH_Units			SW846 9040C		6/30/17 03:56	MSA	A
Cyanide, Reactive	ND		ppm	10	0.011	SW-846 7.3CN	6/28/17 17:00 AHI	6/29/17 14:01	CTD	A
Cyanide, Total	ND		mg/L	0.25	0.11	SW846 9012B	6/27/17 11:13 CTD	6/27/17 15:43	CTD	A
Flashpoint/Ignitability	See comment	2,3	Deg. F			SW-846 1010A		6/27/17 06:00	SDL	A
Sulfide, Reactive	ND		ppm	6.2	1.2	SW846 7.3	6/28/17 17:00 AHI	6/30/17 11:15	AHI	A
<b>METALS</b>										
Aluminum, Total	ND		mg/L	10	3.2	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:21	SRT	A3
Antimony, Total	ND		mg/L	2.0	0.90	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:21	SRT	A3

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## ANALYTICAL RESULTS

Workorder: 2241218 WEN010|2017-EP-S2-14-01 RFP NO

Lab ID:	<b>2241218002</b>	Date Collected:	6/21/2017 15:50	Matrix:	Liquid Waste
Sample ID:	<b>P001-LW-008</b>	Date Received:	6/23/2017 19:50		

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
Arsenic, Total	2.0		mg/L	0.81	0.27	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:21	SRT	A3
Barium, Total	ND		mg/L	1.0	0.32	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:21	SRT	A3
Beryllium, Total	ND		mg/L	0.40	0.13	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:21	SRT	A3
Cadmium, Total	ND		mg/L	0.20	0.066	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:21	SRT	A3
Calcium, Total	ND		mg/L	10	3.2	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:21	SRT	A3
Chromium, Total	0.26J	J	mg/L	0.50	0.18	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:21	SRT	A3
Cobalt, Total	ND		mg/L	0.50	0.18	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:21	SRT	A3
Copper, Total	ND		mg/L	1.0	0.32	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:21	SRT	A3
Iron, Total	ND		mg/L	6.0	2.0	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:21	SRT	A3
Lead, Total	ND		mg/L	0.60	0.20	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:21	SRT	A3
Magnesium, Total	ND		mg/L	10	3.2	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:21	SRT	A3
Manganese, Total	ND		mg/L	0.50	0.18	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:21	SRT	A3
Mercury, Total	ND		mg/L	0.13	0.042	SW846 7470A	6/28/17 00:25 AXC	6/28/17 04:18	AXC	A2
Nickel, Total	ND		mg/L	2.0	0.66	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:21	SRT	A3
Potassium, Total	542		mg/L	50.0	16.2	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:21	SRT	A3
Selenium, Total	2.2		mg/L	2.0	0.66	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:21	SRT	A3
Silver, Total	ND		mg/L	0.40	0.13	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:21	SRT	A3
Sodium, Total	42200		mg/L	50.0	16.2	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:21	SRT	A3
Thallium, Total	ND		mg/L	2.0	0.66	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:21	SRT	A3
Vanadium, Total	0.28J	J	mg/L	0.50	0.18	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:21	SRT	A3
Zinc, Total	ND		mg/L	2.0	0.66	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:21	SRT	A3

Ms. Susan J Scherer

Project Coordinator

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## ANALYTICAL RESULTS

Workorder: 2241218 WEN010|2017-EP-S2-14-01 RFP NO

Lab ID: **2241218003** Date Collected: 6/21/2017 16:32 Matrix: Other  
Sample ID: **P001-LW-020** Date Received: 6/23/2017 19:50

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
<b>VOLATILE ORGANICS</b>										
Acetone	ND		ug/kg	227000	70500	SW846 8260B	6/28/17 14:11 DD	6/28/17 19:47	DD	
Benzene	38100		ug/kg	22700	5230	SW846 8260B	6/28/17 14:11 DD	6/28/17 19:47	DD	
Bromochloromethane	ND		ug/kg	22700	7270	SW846 8260B	6/28/17 14:11 DD	6/28/17 19:47	DD	
Bromodichloromethane	ND		ug/kg	22700	6140	SW846 8260B	6/28/17 14:11 DD	6/28/17 19:47	DD	
Bromoform	ND		ug/kg	22700	9090	SW846 8260B	6/28/17 14:11 DD	6/28/17 19:47	DD	
Bromomethane	ND		ug/kg	22700	8860	SW846 8260B	6/28/17 14:11 DD	6/28/17 19:47	DD	
2-Butanone	ND		ug/kg	227000	40900	SW846 8260B	6/28/17 14:11 DD	6/28/17 19:47	DD	
Carbon Disulfide	ND		ug/kg	22700	5230	SW846 8260B	6/28/17 14:11 DD	6/28/17 19:47	DD	
Carbon Tetrachloride	ND		ug/kg	22700	7050	SW846 8260B	6/28/17 14:11 DD	6/28/17 19:47	DD	
Chlorobenzene	ND		ug/kg	22700	4320	SW846 8260B	6/28/17 14:11 DD	6/28/17 19:47	DD	
Chlorodibromomethane	ND		ug/kg	22700	10200	SW846 8260B	6/28/17 14:11 DD	6/28/17 19:47	DD	
Chloroethane	ND		ug/kg	22700	7500	SW846 8260B	6/28/17 14:11 DD	6/28/17 19:47	DD	
Chloroform	ND		ug/kg	22700	4770	SW846 8260B	6/28/17 14:11 DD	6/28/17 19:47	DD	
Chloromethane	ND		ug/kg	22700	7050	SW846 8260B	6/28/17 14:11 DD	6/28/17 19:47	DD	
Cyclohexane	75500		ug/kg	22700	6590	SW846 8260B	6/28/17 14:11 DD	6/28/17 19:47	DD	
1,2-Dibromo-3-chloropropane	ND		ug/kg	159000	34100	SW846 8260B	6/28/17 14:11 DD	6/28/17 19:47	DD	
1,2-Dibromoethane	ND		ug/kg	22700	6360	SW846 8260B	6/28/17 14:11 DD	6/28/17 19:47	DD	
1,2-Dichlorobenzene	ND		ug/kg	22700	8640	SW846 8260B	6/28/17 14:11 DD	6/28/17 19:47	DD	
1,3-Dichlorobenzene	ND		ug/kg	22700	5680	SW846 8260B	6/28/17 14:11 DD	6/28/17 19:47	DD	
1,4-Dichlorobenzene	ND		ug/kg	22700	6140	SW846 8260B	6/28/17 14:11 DD	6/28/17 19:47	DD	
Dichlorodifluoromethane	ND		ug/kg	22700	7500	SW846 8260B	6/28/17 14:11 DD	6/28/17 19:47	DD	
1,1-Dichloroethane	ND		ug/kg	22700	6360	SW846 8260B	6/28/17 14:11 DD	6/28/17 19:47	DD	
1,2-Dichloroethane	ND		ug/kg	22700	7270	SW846 8260B	6/28/17 14:11 DD	6/28/17 19:47	DD	
1,1-Dichloroethene	ND		ug/kg	22700	6590	SW846 8260B	6/28/17 14:11 DD	6/28/17 19:47	DD	
cis-1,2-Dichloroethene	ND		ug/kg	22700	7270	SW846 8260B	6/28/17 14:11 DD	6/28/17 19:47	DD	
trans-1,2-Dichloroethene	ND		ug/kg	22700	5910	SW846 8260B	6/28/17 14:11 DD	6/28/17 19:47	DD	
1,2-Dichloropropane	ND		ug/kg	22700	5450	SW846 8260B	6/28/17 14:11 DD	6/28/17 19:47	DD	
cis-1,3-Dichloropropene	ND		ug/kg	22700	7050	SW846 8260B	6/28/17 14:11 DD	6/28/17 19:47	DD	
trans-1,3-Dichloropropene	ND		ug/kg	22700	6590	SW846 8260B	6/28/17 14:11 DD	6/28/17 19:47	DD	
1,4-Dioxane	ND		ug/kg	727000	134000 0 0	SW846 8260B	6/28/17 14:11 DD	6/28/17 19:47	DD	
Ethylbenzene	344000		ug/kg	22700	7730	SW846 8260B	6/28/17 14:11 DD	6/28/17 19:47	DD	
Freon 113	ND		ug/kg	22700	5910	SW846 8260B	6/28/17 14:11 DD	6/28/17 19:47	DD	
2-Hexanone	ND		ug/kg	114000	29500	SW846 8260B	6/28/17 14:11 DD	6/28/17 19:47	DD	
Isopropylbenzene	194000		ug/kg	22700	5000	SW846 8260B	6/28/17 14:11 DD	6/28/17 19:47	DD	
Methyl acetate	ND		ug/kg	45500	7270	SW846 8260B	6/28/17 14:11 DD	6/28/17 19:47	DD	
Methyl cyclohexane	295000		ug/kg	22700	6820	SW846 8260B	6/28/17 14:11 DD	6/28/17 19:47	DD	

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## ANALYTICAL RESULTS

Workorder: 2241218 WEN010|2017-EP-S2-14-01 RFP NO

Lab ID:	<b>2241218003</b>	Date Collected:	6/21/2017 16:32	Matrix:	Other
Sample ID:	<b>P001-LW-020</b>	Date Received:	6/23/2017 19:50		

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
Methyl t-Butyl Ether	28800		ug/kg	22700	7500	SW846 8260B	6/28/17 14:11 DD	6/28/17 19:47	DD	
4-Methyl-2-Pentanone(MIBK)	ND		ug/kg	114000	34100	SW846 8260B	6/28/17 14:11 DD	6/28/17 19:47	DD	
Methylene Chloride	ND		ug/kg	22700	10200	SW846 8260B	6/28/17 14:11 DD	6/28/17 19:47	DD	
Styrene	ND		ug/kg	22700	5450	SW846 8260B	6/28/17 14:11 DD	6/28/17 19:47	DD	
1,1,2,2-Tetrachloroethane	ND		ug/kg	22700	7730	SW846 8260B	6/28/17 14:11 DD	6/28/17 19:47	DD	
Tetrachloroethene	ND		ug/kg	22700	7950	SW846 8260B	6/28/17 14:11 DD	6/28/17 19:47	DD	
Toluene	436000		ug/kg	22700	5230	SW846 8260B	6/28/17 14:11 DD	6/28/17 19:47	DD	
Total Xylenes	2590000		ug/kg	68200	15000	SW846 8260B	6/28/17 14:11 DD	6/28/17 19:47	DD	
1,2,3-Trichlorobenzene	ND		ug/kg	45500	21100	SW846 8260B	6/28/17 14:11 DD	6/28/17 19:47	DD	
1,2,4-Trichlorobenzene	ND		ug/kg	45500	18600	SW846 8260B	6/28/17 14:11 DD	6/28/17 19:47	DD	
1,1,1-Trichloroethane	ND		ug/kg	22700	5000	SW846 8260B	6/28/17 14:11 DD	6/28/17 19:47	DD	
1,1,2-Trichloroethane	ND		ug/kg	22700	7500	SW846 8260B	6/28/17 14:11 DD	6/28/17 19:47	DD	
Trichloroethene	ND		ug/kg	22700	7500	SW846 8260B	6/28/17 14:11 DD	6/28/17 19:47	DD	
Trichlorofluoromethane	ND		ug/kg	22700	5450	SW846 8260B	6/28/17 14:11 DD	6/28/17 19:47	DD	
Vinyl Chloride	ND		ug/kg	22700	6820	SW846 8260B	6/28/17 14:11 DD	6/28/17 19:47	DD	
o-Xylene	834000		ug/kg	22700	7500	SW846 8260B	6/28/17 14:11 DD	6/28/17 19:47	DD	
mp-Xylene	1750000		ug/kg	45500	11800	SW846 8260B	6/28/17 14:11 DD	6/28/17 19:47	DD	
Surrogate Recoveries	Results	Flag	Units	Limits		Method	Prepared	By	Analyzed	By
1,2-Dichloroethane-d4 (S)	92.1		%	71 - 146		SW846 8260B	6/28/17 14:11 DD	6/28/17 19:47	DD	
4-Bromofluorobenzene (S)	97.7		%	46 - 138		SW846 8260B	6/28/17 14:11 DD	6/28/17 19:47	DD	
Dibromofluoromethane (S)	88.8		%	42 - 143		SW846 8260B	6/28/17 14:11 DD	6/28/17 19:47	DD	
Toluene-d8 (S)	97.7		%	54 - 141		SW846 8260B	6/28/17 14:11 DD	6/28/17 19:47	DD	
SEMIVOLATILES										
Acenaphthene	174000		ug/kg	149000	74400	SW846 8270D	6/30/17 10:15 MPP	7/4/17 22:38	DHF	
Acenaphthylene	ND		ug/kg	149000	74400	SW846 8270D	6/30/17 10:15 MPP	7/4/17 22:38	DHF	
Anthracene	ND		ug/kg	149000	74400	SW846 8270D	6/30/17 10:15 MPP	7/4/17 22:38	DHF	
Benzo(a)anthracene	ND		ug/kg	149000	74400	SW846 8270D	6/30/17 10:15 MPP	7/4/17 22:38	DHF	
Benzo(a)pyrene	ND		ug/kg	149000	74400	SW846 8270D	6/30/17 10:15 MPP	7/4/17 22:38	DHF	
Benzo(b)fluoranthene	ND		ug/kg	149000	74400	SW846 8270D	6/30/17 10:15 MPP	7/4/17 22:38	DHF	
Benzo(g,h,i)perylene	ND		ug/kg	149000	74400	SW846 8270D	6/30/17 10:15 MPP	7/4/17 22:38	DHF	
Benzo(k)fluoranthene	ND		ug/kg	149000	74400	SW846 8270D	6/30/17 10:15 MPP	7/4/17 22:38	DHF	
4-Bromophenyl-phenylether	ND		ug/kg	149000	74400	SW846 8270D	6/30/17 10:15 MPP	7/4/17 22:38	DHF	
Butylbenzylphthalate	ND		ug/kg	149000	74400	SW846 8270D	6/30/17 10:15 MPP	7/4/17 22:38	DHF	
Carbazole	ND		ug/kg	149000	74400	SW846 8270D	6/30/17 10:15 MPP	7/4/17 22:38	DHF	
4-Chloro-3-methylphenol	ND		ug/kg	298000	149000	SW846 8270D	6/30/17 10:15 MPP	7/4/17 22:38	DHF	
4-Chloroaniline	ND		ug/kg	397000	198000	SW846 8270D	6/30/17 10:15 MPP	7/4/17 22:38	DHF	
bis(2-Chloroethoxy)methane	ND		ug/kg	149000	74400	SW846 8270D	6/30/17 10:15 MPP	7/4/17 22:38	DHF	

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## ANALYTICAL RESULTS

Workorder: 2241218 WEN010|2017-EP-S2-14-01 RFP NO

Lab ID: **2241218003** Date Collected: 6/21/2017 16:32 Matrix: Other  
Sample ID: **P001-LW-020** Date Received: 6/23/2017 19:50

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
bis(2-Chloroethyl)ether	ND		ug/kg	149000	74400	SW846 8270D	6/30/17 10:15	MPP	7/4/17 22:38	DHF
bis(2-Chloroisopropyl)ether	ND		ug/kg	149000	74400	SW846 8270D	6/30/17 10:15	MPP	7/4/17 22:38	DHF
2-Chloronaphthalene	ND		ug/kg	149000	74400	SW846 8270D	6/30/17 10:15	MPP	7/4/17 22:38	DHF
2-Chlorophenol	ND		ug/kg	298000	149000	SW846 8270D	6/30/17 10:15	MPP	7/4/17 22:38	DHF
4-Chlorophenyl-phenylether	ND		ug/kg	149000	74400	SW846 8270D	6/30/17 10:15	MPP	7/4/17 22:38	DHF
Chrysene	ND		ug/kg	149000	74400	SW846 8270D	6/30/17 10:15	MPP	7/4/17 22:38	DHF
mp-Cresol	ND		ug/kg	298000	149000	SW846 8270D	6/30/17 10:15	MPP	7/4/17 22:38	DHF
o-Cresol	ND		ug/kg	298000	149000	SW846 8270D	6/30/17 10:15	MPP	7/4/17 22:38	DHF
Di-n-Butylphthalate	ND		ug/kg	149000	74400	SW846 8270D	6/30/17 10:15	MPP	7/4/17 22:38	DHF
Di-n-Octylphthalate	ND		ug/kg	149000	74400	SW846 8270D	6/30/17 10:15	MPP	7/4/17 22:38	DHF
Dibenzo(a,h)anthracene	ND		ug/kg	149000	74400	SW846 8270D	6/30/17 10:15	MPP	7/4/17 22:38	DHF
Dibenzofuran	ND		ug/kg	149000	74400	SW846 8270D	6/30/17 10:15	MPP	7/4/17 22:38	DHF
1,2-Dichlorobenzene	ND		ug/kg	149000	74400	SW846 8270D	6/30/17 10:15	MPP	7/4/17 22:38	DHF
1,3-Dichlorobenzene	ND		ug/kg	149000	74400	SW846 8270D	6/30/17 10:15	MPP	7/4/17 22:38	DHF
1,4-Dichlorobenzene	ND		ug/kg	149000	74400	SW846 8270D	6/30/17 10:15	MPP	7/4/17 22:38	DHF
3,3-Dichlorobenzidine	ND	1	ug/kg	595000	298000	SW846 8270D	6/30/17 10:15	MPP	7/4/17 22:38	DHF
2,4-Dichlorophenol	ND		ug/kg	298000	149000	SW846 8270D	6/30/17 10:15	MPP	7/4/17 22:38	DHF
Diethylphthalate	ND		ug/kg	149000	74400	SW846 8270D	6/30/17 10:15	MPP	7/4/17 22:38	DHF
2,4-Dimethylphenol	ND		ug/kg	298000	149000	SW846 8270D	6/30/17 10:15	MPP	7/4/17 22:38	DHF
Dimethylphthalate	ND		ug/kg	149000	74400	SW846 8270D	6/30/17 10:15	MPP	7/4/17 22:38	DHF
2,4-Dinitrophenol	ND		ug/kg	119000	5950000	SW846 8270D	6/30/17 10:15	MPP	7/4/17 22:38	DHF
2,4-Dinitrotoluene	ND		ug/kg	149000	74400	SW846 8270D	6/30/17 10:15	MPP	7/4/17 22:38	DHF
2,6-Dinitrotoluene	ND		ug/kg	149000	74400	SW846 8270D	6/30/17 10:15	MPP	7/4/17 22:38	DHF
bis(2-Ethylhexyl)phthalate	ND		ug/kg	149000	74400	SW846 8270D	6/30/17 10:15	MPP	7/4/17 22:38	DHF
Fluoranthene	ND		ug/kg	149000	74400	SW846 8270D	6/30/17 10:15	MPP	7/4/17 22:38	DHF
Fluorene	255000		ug/kg	149000	74400	SW846 8270D	6/30/17 10:15	MPP	7/4/17 22:38	DHF
Hexachlorobenzene	ND		ug/kg	149000	74400	SW846 8270D	6/30/17 10:15	MPP	7/4/17 22:38	DHF
Hexachlorobutadiene	ND		ug/kg	149000	74400	SW846 8270D	6/30/17 10:15	MPP	7/4/17 22:38	DHF
Hexachlorocyclopentadiene	ND		ug/kg	298000	149000	SW846 8270D	6/30/17 10:15	MPP	7/4/17 22:38	DHF
Hexachloroethane	ND		ug/kg	149000	74400	SW846 8270D	6/30/17 10:15	MPP	7/4/17 22:38	DHF
Indeno(1,2,3-cd)pyrene	ND		ug/kg	149000	74400	SW846 8270D	6/30/17 10:15	MPP	7/4/17 22:38	DHF
Isophorone	ND		ug/kg	149000	74400	SW846 8270D	6/30/17 10:15	MPP	7/4/17 22:38	DHF
2-Methyl-4,6-dinitrophenol	ND		ug/kg	298000	149000	SW846 8270D	6/30/17 10:15	MPP	7/4/17 22:38	DHF
2-Methylnaphthalene	4250000		ug/kg	149000	74400	SW846 8270D	6/30/17 10:15	MPP	7/4/17 22:38	DHF
Naphthalene	1830000		ug/kg	149000	74400	SW846 8270D	6/30/17 10:15	MPP	7/4/17 22:38	DHF
2-Nitroaniline	ND		ug/kg	149000	74400	SW846 8270D	6/30/17 10:15	MPP	7/4/17 22:38	DHF
3-Nitroaniline	ND		ug/kg	149000	74400	SW846 8270D	6/30/17 10:15	MPP	7/4/17 22:38	DHF
4-Nitroaniline	ND		ug/kg	149000	74400	SW846 8270D	6/30/17 10:15	MPP	7/4/17 22:38	DHF

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## ANALYTICAL RESULTS

Workorder: 2241218 WEN010|2017-EP-S2-14-01 RFP NO

Lab ID: **2241218003** Date Collected: 6/21/2017 16:32 Matrix: Other  
Sample ID: **P001-LW-020** Date Received: 6/23/2017 19:50

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
Nitrobenzene	ND		ug/kg	149000	74400	SW846 8270D	6/30/17 10:15	MPP	7/4/17 22:38	DHF
2-Nitrophenol	ND		ug/kg	298000	149000	SW846 8270D	6/30/17 10:15	MPP	7/4/17 22:38	DHF
4-Nitrophenol	ND		ug/kg	298000	149000	SW846 8270D	6/30/17 10:15	MPP	7/4/17 22:38	DHF
N-Nitroso-di-n-propylamine	ND		ug/kg	149000	74400	SW846 8270D	6/30/17 10:15	MPP	7/4/17 22:38	DHF
N-Nitrosodiphenylamine	ND		ug/kg	179000	89300	SW846 8270D	6/30/17 10:15	MPP	7/4/17 22:38	DHF
Pentachlorophenol	ND		ug/kg	298000	149000	SW846 8270D	6/30/17 10:15	MPP	7/4/17 22:38	DHF
Phenanthrone	490000		ug/kg	149000	74400	SW846 8270D	6/30/17 10:15	MPP	7/4/17 22:38	DHF
Phenol	ND		ug/kg	298000	149000	SW846 8270D	6/30/17 10:15	MPP	7/4/17 22:38	DHF
Pyrene	ND		ug/kg	149000	74400	SW846 8270D	6/30/17 10:15	MPP	7/4/17 22:38	DHF
1,2,4-Trichlorobenzene	ND		ug/kg	149000	74400	SW846 8270D	6/30/17 10:15	MPP	7/4/17 22:38	DHF
2,4,5-Trichlorophenol	ND		ug/kg	298000	149000	SW846 8270D	6/30/17 10:15	MPP	7/4/17 22:38	DHF
2,4,6-Trichlorophenol	ND		ug/kg	298000	149000	SW846 8270D	6/30/17 10:15	MPP	7/4/17 22:38	DHF
Surrogate Recoveries	Results	Flag	Units	Limits		Method	Prepared	By	Analyzed	By
2,4,6-Tribromophenol (S)	110		%	50 - 150		SW846 8270D	6/30/17 10:15	MPP	7/4/17 22:38	DHF
2-Fluorobiphenyl (S)	95.4		%	50 - 150		SW846 8270D	6/30/17 10:15	MPP	7/4/17 22:38	DHF
2-Fluorophenol (S)	94.3		%	50 - 150		SW846 8270D	6/30/17 10:15	MPP	7/4/17 22:38	DHF
Nitrobenzene-d5 (S)	205	2	%	50 - 150		SW846 8270D	6/30/17 10:15	MPP	7/4/17 22:38	DHF
Phenol-d5 (S)	87.9		%	50 - 150		SW846 8270D	6/30/17 10:15	MPP	7/4/17 22:38	DHF
Terphenyl-d14 (S)	97.9		%	50 - 150		SW846 8270D	6/30/17 10:15	MPP	7/4/17 22:38	DHF

*Susan J. Scherer*  
Ms. Susan J Scherer  
Project Coordinator

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## ANALYTICAL RESULTS

Workorder: 2241218 WEN010|2017-EP-S2-14-01 RFP NO

Lab ID:	<b>2241218004</b>	Date Collected:	6/21/2017 15:16	Matrix:	Other
Sample ID:	<b>P001-LW-021</b>	Date Received:	6/23/2017 19:50		

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
<b>PCBs</b>										
Total Polychlorinated Biphenyl	ND		mg/kg	0.97		600/4-81-045	6/26/17 15:12 KJH	6/26/17 19:16	KJH	C
Aroclor-1016	ND		mg/kg	0.97	0.14	600/4-81-045	6/26/17 15:12 KJH	6/26/17 19:16	KJH	C
Aroclor-1221	ND		mg/kg	0.97	0.39	600/4-81-045	6/26/17 15:12 KJH	6/26/17 19:16	KJH	C
Aroclor-1232	ND		mg/kg	0.97	0.35	600/4-81-045	6/26/17 15:12 KJH	6/26/17 19:16	KJH	C
Aroclor-1242	ND		mg/kg	0.97	0.33	600/4-81-045	6/26/17 15:12 KJH	6/26/17 19:16	KJH	C
Aroclor-1248	ND		mg/kg	0.97	0.34	600/4-81-045	6/26/17 15:12 KJH	6/26/17 19:16	KJH	C
Aroclor-1254	ND		mg/kg	0.97	0.28	600/4-81-045	6/26/17 15:12 KJH	6/26/17 19:16	KJH	C
Aroclor-1260	ND		mg/kg	0.97	0.12	600/4-81-045	6/26/17 15:12 KJH	6/26/17 19:16	KJH	C
Aroclor-1262	ND		mg/kg	0.97	0.078	600/4-81-045	6/26/17 15:12 KJH	6/26/17 19:16	KJH	C
Aroclor-1268	ND		mg/kg	0.97	0.14	600/4-81-045	6/26/17 15:12 KJH	6/26/17 19:16	KJH	C
<i>Surrogate Recoveries</i>										
Decachlorobiphenyls (S)	109		%	64 - 150		600/4-81-045	6/26/17 15:12 KJH	6/26/17 19:16	KJH	C
Tetrachloro-m-xylene (S)	78.6		%	74 - 152		600/4-81-045	6/26/17 15:12 KJH	6/26/17 19:16	KJH	C

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## ANALYTICAL RESULTS

Workorder: 2241218 WEN010|2017-EP-S2-14-01 RFP NO

Lab ID:	<b>2241218005</b>	Date Collected:	6/21/2017 15:17	Matrix:	Liquid Waste
Sample ID:	<b>P001-LW-026</b>	Date Received:	6/23/2017 19:50		

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
<b>WET CHEMISTRY</b>										
Corrosivity as pH	8.87	3	pH_Units			SW846 9040C			6/27/17 10:40	MBW A
Cyanide, Reactive	ND		ppm	10	0.011	SW-846 7.3CN	6/28/17 17:00 AHI		6/29/17 14:01	CTD A
Flashpoint/Ignitability	See comment	1,2	Deg. F			SW-846 1010A			6/27/17 06:00	SDL A
Sulfide, Reactive	ND		ppm	6.2	1.2	SW846 7.3	6/28/17 17:00 AHI		6/30/17 11:15	AHI A

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## ANALYTICAL RESULTS

Workorder: 2241218 WEN010|2017-EP-S2-14-01 RFP NO

Lab ID: **2241218006** Date Collected: 6/21/2017 15:07 Matrix: Other  
Sample ID: **P001-LW-028** Date Received: 6/23/2017 19:50

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
<b>PCBs</b>										
Total Polychlorinated Biphenyl	ND		mg/kg	0.90		600/4-81-045	6/26/17 15:12 KJH	6/26/17 18:41	KJH	C
Aroclor-1016	ND		mg/kg	0.90	0.13	600/4-81-045	6/26/17 15:12 KJH	6/26/17 18:41	KJH	C
Aroclor-1221	ND		mg/kg	0.90	0.36	600/4-81-045	6/26/17 15:12 KJH	6/26/17 18:41	KJH	C
Aroclor-1232	ND		mg/kg	0.90	0.32	600/4-81-045	6/26/17 15:12 KJH	6/26/17 18:41	KJH	C
Aroclor-1242	ND		mg/kg	0.90	0.31	600/4-81-045	6/26/17 15:12 KJH	6/26/17 18:41	KJH	C
Aroclor-1248	ND		mg/kg	0.90	0.32	600/4-81-045	6/26/17 15:12 KJH	6/26/17 18:41	KJH	C
Aroclor-1254	ND		mg/kg	0.90	0.26	600/4-81-045	6/26/17 15:12 KJH	6/26/17 18:41	KJH	C
Aroclor-1260	ND		mg/kg	0.90	0.11	600/4-81-045	6/26/17 15:12 KJH	6/26/17 18:41	KJH	C
Aroclor-1262	ND		mg/kg	0.90	0.072	600/4-81-045	6/26/17 15:12 KJH	6/26/17 18:41	KJH	C
Aroclor-1268	ND		mg/kg	0.90	0.13	600/4-81-045	6/26/17 15:12 KJH	6/26/17 18:41	KJH	C
<b>Surrogate Recoveries</b>										
Decachlorobiphenyls (S)	121		%	64 - 150		600/4-81-045	6/26/17 15:12 KJH	6/26/17 18:41	KJH	C
Tetrachloro-m-xylene (S)	140		%	74 - 152		600/4-81-045	6/26/17 15:12 KJH	6/26/17 18:41	KJH	C
<b>WET CHEMISTRY</b>										
Corrosivity as pH	6.86	3,4	pH_Units			SW846 9045D		6/28/17 04:30	MSA	
Cyanide, Reactive	ND		ppm	10.0	0.011	SW-846 7.3CN	6/28/17 17:00 AHI	6/29/17 14:01	CTD	A
Flashpoint/Ignitability	See comment	1,2	Deg. F			SW-846 1010A		6/29/17 06:00	SDL	A
Sulfide, Reactive	2.4J	J	ppm	6.3	1.3	SW846 7.3	6/28/17 17:00 AHI	6/30/17 11:15	AHI	A

Ms. Susan J Scherer  
Project Coordinator

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## ANALYTICAL RESULTS

Workorder: 2241218 WEN010|2017-EP-S2-14-01 RFP NO

Lab ID:	<b>2241218007</b>	Date Collected:	6/21/2017 15:10	Matrix:	Liquid Waste
Sample ID:	<b>P001-LW-029</b>	Date Received:	6/23/2017 19:50		

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
<b>WET CHEMISTRY</b>										
Corrosivity as pH	13.87	3	pH_Units			SW846 9040C		6/30/17 04:04	MSA	A
Cyanide, Reactive	ND		ppm	10.0	0.011	SW-846 7.3CN	6/28/17 17:00 AHI	6/29/17 14:01	CTD	A
Flashpoint/Ignitability	See comment	1,2	Deg. F			SW-846 1010A		6/29/17 06:00	SDL	A
Sulfide, Reactive	ND		ppm	6.3	1.3	SW846 7.3	6/28/17 17:00 AHI	6/30/17 11:15	AHI	A

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## ANALYTICAL RESULTS

Workorder: 2241218 WEN010|2017-EP-S2-14-01 RFP NO

Lab ID: **2241218008** Date Collected: 6/21/2017 15:33 Matrix: Other  
Sample ID: **P001-LW-031** Date Received: 6/23/2017 19:50

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
<b>VOLATILE ORGANICS</b>										
Acetone	ND		ug/kg	2340	724	SW846 8260B	6/28/17 14:12	TMP	6/29/17 20:25	TMP A1
Benzene	ND		ug/kg	234	53.7	SW846 8260B	6/28/17 14:12	TMP	6/29/17 20:25	TMP A1
Bromochloromethane	ND		ug/kg	234	74.8	SW846 8260B	6/28/17 14:12	TMP	6/29/17 20:25	TMP A1
Bromodichloromethane	ND		ug/kg	234	63.1	SW846 8260B	6/28/17 14:12	TMP	6/29/17 20:25	TMP A1
Bromoform	ND		ug/kg	234	93.5	SW846 8260B	6/28/17 14:12	TMP	6/29/17 20:25	TMP A1
Bromomethane	ND		ug/kg	234	91.1	SW846 8260B	6/28/17 14:12	TMP	6/29/17 20:25	TMP A1
2-Butanone	ND		ug/kg	2340	421	SW846 8260B	6/28/17 14:12	TMP	6/29/17 20:25	TMP A1
Carbon Disulfide	ND		ug/kg	234	53.7	SW846 8260B	6/28/17 14:12	TMP	6/29/17 20:25	TMP A1
Carbon Tetrachloride	ND		ug/kg	234	72.4	SW846 8260B	6/28/17 14:12	TMP	6/29/17 20:25	TMP A1
Chlorobenzene	ND		ug/kg	234	44.4	SW846 8260B	6/28/17 14:12	TMP	6/29/17 20:25	TMP A1
Chlorodibromomethane	ND		ug/kg	234	105	SW846 8260B	6/28/17 14:12	TMP	6/29/17 20:25	TMP A1
Chloroethane	ND		ug/kg	234	77.1	SW846 8260B	6/28/17 14:12	TMP	6/29/17 20:25	TMP A1
Chloroform	ND		ug/kg	234	49.1	SW846 8260B	6/28/17 14:12	TMP	6/29/17 20:25	TMP A1
Chloromethane	ND		ug/kg	234	72.4	SW846 8260B	6/28/17 14:12	TMP	6/29/17 20:25	TMP A1
Cyclohexane	ND		ug/kg	234	67.8	SW846 8260B	6/28/17 14:12	TMP	6/29/17 20:25	TMP A1
1,2-Dibromo-3-chloropropane	ND		ug/kg	1640	350	SW846 8260B	6/28/17 14:12	TMP	6/29/17 20:25	TMP A1
1,2-Dibromoethane	ND		ug/kg	234	65.4	SW846 8260B	6/28/17 14:12	TMP	6/29/17 20:25	TMP A1
1,2-Dichlorobenzene	ND		ug/kg	234	88.8	SW846 8260B	6/28/17 14:12	TMP	6/29/17 20:25	TMP A1
1,3-Dichlorobenzene	ND		ug/kg	234	58.4	SW846 8260B	6/28/17 14:12	TMP	6/29/17 20:25	TMP A1
1,4-Dichlorobenzene	ND		ug/kg	234	63.1	SW846 8260B	6/28/17 14:12	TMP	6/29/17 20:25	TMP A1
Dichlorodifluoromethane	ND		ug/kg	234	77.1	SW846 8260B	6/28/17 14:12	TMP	6/29/17 20:25	TMP A1
1,1-Dichloroethane	ND		ug/kg	234	65.4	SW846 8260B	6/28/17 14:12	TMP	6/29/17 20:25	TMP A1
1,2-Dichloroethane	ND		ug/kg	234	74.8	SW846 8260B	6/28/17 14:12	TMP	6/29/17 20:25	TMP A1
1,1-Dichloroethene	ND		ug/kg	234	67.8	SW846 8260B	6/28/17 14:12	TMP	6/29/17 20:25	TMP A1
cis-1,2-Dichloroethene	ND		ug/kg	234	74.8	SW846 8260B	6/28/17 14:12	TMP	6/29/17 20:25	TMP A1
trans-1,2-Dichloroethene	ND		ug/kg	234	60.7	SW846 8260B	6/28/17 14:12	TMP	6/29/17 20:25	TMP A1
1,2-Dichloropropane	ND		ug/kg	234	56.1	SW846 8260B	6/28/17 14:12	TMP	6/29/17 20:25	TMP A1
cis-1,3-Dichloropropene	ND		ug/kg	234	72.4	SW846 8260B	6/28/17 14:12	TMP	6/29/17 20:25	TMP A1
trans-1,3-Dichloropropene	ND		ug/kg	234	67.8	SW846 8260B	6/28/17 14:12	TMP	6/29/17 20:25	TMP A1
1,4-Dioxane	ND	6	ug/kg	74800	13800	SW846 8260B	6/28/17 14:12	TMP	6/29/17 20:25	TMP A1
Ethylbenzene	ND		ug/kg	234	79.4	SW846 8260B	6/28/17 14:12	TMP	6/29/17 20:25	TMP A1
Freon 113	ND		ug/kg	234	60.7	SW846 8260B	6/28/17 14:12	TMP	6/29/17 20:25	TMP A1
2-Hexanone	ND	8	ug/kg	1170	304	SW846 8260B	6/28/17 14:12	TMP	6/29/17 20:25	TMP A1
Isopropylbenzene	ND		ug/kg	234	51.4	SW846 8260B	6/28/17 14:12	TMP	6/29/17 20:25	TMP A1
Methyl acetate	ND	7	ug/kg	467	74.8	SW846 8260B	6/28/17 14:12	TMP	6/29/17 20:25	TMP A1
Methyl cyclohexane	ND		ug/kg	234	70.1	SW846 8260B	6/28/17 14:12	TMP	6/29/17 20:25	TMP A1

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## ANALYTICAL RESULTS

Workorder: 2241218 WEN010|2017-EP-S2-14-01 RFP NO

Lab ID: **2241218008** Date Collected: 6/21/2017 15:33 Matrix: Other  
Sample ID: **P001-LW-031** Date Received: 6/23/2017 19:50

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
Methyl t-Butyl Ether	ND		ug/kg	234	77.1	SW846 8260B	6/28/17 14:12	TMP	6/29/17 20:25	TMP A1
4-Methyl-2-Pentanone(MIBK)	ND		ug/kg	1170	350	SW846 8260B	6/28/17 14:12	TMP	6/29/17 20:25	TMP A1
Methylene Chloride	ND		ug/kg	234	105	SW846 8260B	6/28/17 14:12	TMP	6/29/17 20:25	TMP A1
Styrene	ND		ug/kg	234	56.1	SW846 8260B	6/28/17 14:12	TMP	6/29/17 20:25	TMP A1
1,1,2,2-Tetrachloroethane	ND		ug/kg	234	79.4	SW846 8260B	6/28/17 14:12	TMP	6/29/17 20:25	TMP A1
Tetrachloroethene	ND		ug/kg	234	81.8	SW846 8260B	6/28/17 14:12	TMP	6/29/17 20:25	TMP A1
Toluene	ND		ug/kg	234	53.7	SW846 8260B	6/28/17 14:12	TMP	6/29/17 20:25	TMP A1
Total Xylenes	ND		ug/kg	701	154	SW846 8260B	6/28/17 14:12	TMP	6/29/17 20:25	TMP A1
1,2,3-Trichlorobenzene	ND		ug/kg	467	217	SW846 8260B	6/28/17 14:12	TMP	6/29/17 20:25	TMP A1
1,2,4-Trichlorobenzene	ND		ug/kg	467	192	SW846 8260B	6/28/17 14:12	TMP	6/29/17 20:25	TMP A1
1,1,1-Trichloroethane	ND		ug/kg	234	51.4	SW846 8260B	6/28/17 14:12	TMP	6/29/17 20:25	TMP A1
1,1,2-Trichloroethane	ND		ug/kg	234	77.1	SW846 8260B	6/28/17 14:12	TMP	6/29/17 20:25	TMP A1
Trichloroethene	ND		ug/kg	234	77.1	SW846 8260B	6/28/17 14:12	TMP	6/29/17 20:25	TMP A1
Trichlorofluoromethane	ND		ug/kg	234	56.1	SW846 8260B	6/28/17 14:12	TMP	6/29/17 20:25	TMP A1
Vinyl Chloride	ND		ug/kg	234	70.1	SW846 8260B	6/28/17 14:12	TMP	6/29/17 20:25	TMP A1
o-Xylene	ND		ug/kg	234	77.1	SW846 8260B	6/28/17 14:12	TMP	6/29/17 20:25	TMP A1
mp-Xylene	ND		ug/kg	467	121	SW846 8260B	6/28/17 14:12	TMP	6/29/17 20:25	TMP A1
<i>Surrogate Recoveries</i>		Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By Cntr
1,2-Dichloroethane-d4 (S)		89.2		%	71 - 146	SW846 8260B	6/28/17 14:12	TMP	6/29/17 20:25	TMP A1
4-Bromofluorobenzene (S)		105		%	46 - 138	SW846 8260B	6/28/17 14:12	TMP	6/29/17 20:25	TMP A1
Dibromofluoromethane (S)		92.7		%	42 - 143	SW846 8260B	6/28/17 14:12	TMP	6/29/17 20:25	TMP A1
Toluene-d8 (S)		99.5		%	54 - 141	SW846 8260B	6/28/17 14:12	TMP	6/29/17 20:25	TMP A1
<b>SEMIVOLATILES</b>										
Acenaphthene	ND		ug/kg	14900	7450	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:24	DHF D
Acenaphthylene	ND		ug/kg	14900	7450	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:24	DHF D
Anthracene	ND		ug/kg	14900	7450	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:24	DHF D
Benzo(a)anthracene	ND		ug/kg	14900	7450	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:24	DHF D
Benzo(a)pyrene	ND		ug/kg	14900	7450	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:24	DHF D
Benzo(b)fluoranthene	ND		ug/kg	14900	7450	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:24	DHF D
Benzo(g,h,i)perylene	ND		ug/kg	14900	7450	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:24	DHF D
Benzo(k)fluoranthene	ND		ug/kg	14900	7450	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:24	DHF D
4-Bromophenyl-phenylether	ND		ug/kg	14900	7450	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:24	DHF D
Butylbenzylphthalate	ND		ug/kg	14900	7450	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:24	DHF D
Carbazole	ND		ug/kg	14900	7450	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:24	DHF D
4-Chloro-3-methylphenol	ND		ug/kg	29800	14900	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:24	DHF D
4-Chloroaniline	ND		ug/kg	39800	19900	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:24	DHF D
bis(2-Chloroethoxy)methane	ND		ug/kg	14900	7450	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:24	DHF D

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## ANALYTICAL RESULTS

Workorder: 2241218 WEN010|2017-EP-S2-14-01 RFP NO

Lab ID:	<b>2241218008</b>	Date Collected:	6/21/2017 15:33	Matrix:	Other
Sample ID:	<b>P001-LW-031</b>	Date Received:	6/23/2017 19:50		

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
bis(2-Chloroethyl)ether	ND		ug/kg	14900	7450	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:24	DHF D
bis(2-Chloroisopropyl)ether	ND		ug/kg	14900	7450	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:24	DHF D
2-Chloronaphthalene	ND		ug/kg	14900	7450	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:24	DHF D
2-Chlorophenol	ND		ug/kg	29800	14900	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:24	DHF D
4-Chlorophenyl-phenylether	ND		ug/kg	14900	7450	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:24	DHF D
Chrysene	ND		ug/kg	14900	7450	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:24	DHF D
mp-Cresol	ND		ug/kg	29800	14900	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:24	DHF D
o-Cresol	ND		ug/kg	29800	14900	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:24	DHF D
Di-n-Butylphthalate	ND		ug/kg	14900	7450	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:24	DHF D
Di-n-Octylphthalate	ND		ug/kg	14900	7450	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:24	DHF D
Dibenzo(a,h)anthracene	ND		ug/kg	14900	7450	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:24	DHF D
Dibenzofuran	ND		ug/kg	14900	7450	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:24	DHF D
1,2-Dichlorobenzene	ND		ug/kg	14900	7450	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:24	DHF D
1,3-Dichlorobenzene	ND		ug/kg	14900	7450	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:24	DHF D
1,4-Dichlorobenzene	ND		ug/kg	14900	7450	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:24	DHF D
3,3-Dichlorobenzidine	ND	3	ug/kg	59600	29800	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:24	DHF D
2,4-Dichlorophenol	ND		ug/kg	29800	14900	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:24	DHF D
Diethylphthalate	ND		ug/kg	14900	7450	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:24	DHF D
2,4-Dimethylphenol	ND		ug/kg	29800	14900	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:24	DHF D
Dimethylphthalate	ND		ug/kg	14900	7450	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:24	DHF D
2,4-Dinitrophenol	ND		ug/kg	119000	59600	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:24	DHF D
2,4-Dinitrotoluene	ND		ug/kg	14900	7450	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:24	DHF D
2,6-Dinitrotoluene	ND		ug/kg	14900	7450	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:24	DHF D
bis(2-Ethylhexyl)phthalate	ND		ug/kg	14900	7450	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:24	DHF D
Fluoranthene	ND		ug/kg	14900	7450	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:24	DHF D
Fluorene	ND		ug/kg	14900	7450	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:24	DHF D
Hexachlorobenzene	ND		ug/kg	14900	7450	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:24	DHF D
Hexachlorobutadiene	ND		ug/kg	14900	7450	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:24	DHF D
Hexachlorocyclopentadiene	ND		ug/kg	29800	14900	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:24	DHF D
Hexachloroethane	ND		ug/kg	14900	7450	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:24	DHF D
Indeno(1,2,3-cd)pyrene	ND		ug/kg	14900	7450	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:24	DHF D
Isophorone	ND		ug/kg	14900	7450	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:24	DHF D
2-Methyl-4,6-dinitrophenol	ND		ug/kg	29800	14900	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:24	DHF D
2-Methylnaphthalene	ND		ug/kg	14900	7450	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:24	DHF D
Naphthalene	ND		ug/kg	14900	7450	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:24	DHF D
2-Nitroaniline	ND		ug/kg	14900	7450	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:24	DHF D
3-Nitroaniline	ND		ug/kg	14900	7450	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:24	DHF D
4-Nitroaniline	ND		ug/kg	14900	7450	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:24	DHF D

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## ANALYTICAL RESULTS

Workorder: 2241218 WEN010|2017-EP-S2-14-01 RFP NO

Lab ID: **2241218008** Date Collected: 6/21/2017 15:33 Matrix: Other  
Sample ID: **P001-LW-031** Date Received: 6/23/2017 19:50

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr	
Nitrobenzene	ND		ug/kg	14900	7450	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:24	DHF D	
2-Nitrophenol	ND		ug/kg	29800	14900	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:24	DHF D	
4-Nitrophenol	ND		ug/kg	29800	14900	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:24	DHF D	
N-Nitroso-di-n-propylamine	ND		ug/kg	14900	7450	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:24	DHF D	
N-Nitrosodiphenylamine	ND		ug/kg	17900	8950	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:24	DHF D	
Pentachlorophenol	ND		ug/kg	29800	14900	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:24	DHF D	
Phenanthrone	ND		ug/kg	14900	7450	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:24	DHF D	
Phenol	ND		ug/kg	29800	14900	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:24	DHF D	
Pyrene	ND		ug/kg	14900	7450	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:24	DHF D	
1,2,4-Trichlorobenzene	ND		ug/kg	14900	7450	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:24	DHF D	
2,4,5-Trichlorophenol	ND		ug/kg	29800	14900	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:24	DHF D	
2,4,6-Trichlorophenol	ND		ug/kg	29800	14900	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:24	DHF D	
<i>Surrogate Recoveries</i>		Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
2,4,6-Tribromophenol (S)	124		%	50 - 150		SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:24	DHF D	
2-Fluorobiphenyl (S)	116		%	50 - 150		SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:24	DHF D	
2-Fluorophenol (S)	116		%	50 - 150		SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:24	DHF D	
Nitrobenzene-d5 (S)	116		%	50 - 150		SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:24	DHF D	
Phenol-d5 (S)	113		%	50 - 150		SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:24	DHF D	
Terphenyl-d14 (S)	112		%	50 - 150		SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:24	DHF D	
<b>PESTICIDES</b>											
Aldrin	ND		ug/kg	983		SW846 8081B	6/30/17 10:15	MPP	6/30/17 16:16	RWS D	
alpha-BHC	ND		ug/kg	983		SW846 8081B	6/30/17 10:15	MPP	6/30/17 16:16	RWS D	
beta-BHC	ND		ug/kg	983		SW846 8081B	6/30/17 10:15	MPP	6/30/17 16:16	RWS D	
delta-BHC	ND		ug/kg	983		SW846 8081B	6/30/17 10:15	MPP	6/30/17 16:16	RWS D	
gamma-BHC	ND		ug/kg	983		SW846 8081B	6/30/17 10:15	MPP	6/30/17 16:16	RWS D	
Chlordane	ND		ug/kg	19700		SW846 8081B	6/30/17 10:15	MPP	6/30/17 16:16	RWS D	
alpha-Chlordane	ND		ug/kg	983		SW846 8081B	6/30/17 10:15	MPP	6/30/17 16:16	RWS D	
gamma-Chlordane	ND		ug/kg	983		SW846 8081B	6/30/17 10:15	MPP	6/30/17 16:16	RWS D	
4,4'-DDD	ND		ug/kg	983		SW846 8081B	6/30/17 10:15	MPP	6/30/17 16:16	RWS D	
4,4'-DDE	ND		ug/kg	983		SW846 8081B	6/30/17 10:15	MPP	6/30/17 16:16	RWS D	
4,4'-DDT	ND		ug/kg	983		SW846 8081B	6/30/17 10:15	MPP	6/30/17 16:16	RWS D	
Dieldrin	ND		ug/kg	983		SW846 8081B	6/30/17 10:15	MPP	6/30/17 16:16	RWS D	
Endosulfan I	ND		ug/kg	983		SW846 8081B	6/30/17 10:15	MPP	6/30/17 16:16	RWS D	
Endosulfan II	ND		ug/kg	983		SW846 8081B	6/30/17 10:15	MPP	6/30/17 16:16	RWS D	
Endosulfan Sulfate	ND		ug/kg	983		SW846 8081B	6/30/17 10:15	MPP	6/30/17 16:16	RWS D	
Endrin	ND		ug/kg	983		SW846 8081B	6/30/17 10:15	MPP	6/30/17 16:16	RWS D	
Endrin Aldehyde	ND		ug/kg	983		SW846 8081B	6/30/17 10:15	MPP	6/30/17 16:16	RWS D	

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## ANALYTICAL RESULTS

Workorder: 2241218 WEN010|2017-EP-S2-14-01 RFP NO

Lab ID: **2241218008** Date Collected: 6/21/2017 15:33 Matrix: Other  
Sample ID: **P001-LW-031** Date Received: 6/23/2017 19:50

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr	
Endrin Ketone	ND		ug/kg	983		SW846 8081B	6/30/17 10:15	MPP	6/30/17 16:16	RWS	D
Heptachlor	ND		ug/kg	983		SW846 8081B	6/30/17 10:15	MPP	6/30/17 16:16	RWS	D
Heptachlor Epoxide	ND		ug/kg	983		SW846 8081B	6/30/17 10:15	MPP	6/30/17 16:16	RWS	D
Methoxychlor	ND		ug/kg	983		SW846 8081B	6/30/17 10:15	MPP	6/30/17 16:16	RWS	D
Toxaphene	ND		ug/kg	39300		SW846 8081B	6/30/17 10:15	MPP	6/30/17 16:16	RWS	D
Surrogate Recoveries	Results	Flag	Units	Limits		Method	Prepared	By	Analyzed	By	Cntr
Decachlorobiphenyls (S)	111		%	70 - 130		SW846 8081B	6/30/17 10:15	MPP	6/30/17 16:16	RWS	D
Tetrachloro-m-xylene (S)	97.1		%	70 - 130		SW846 8081B	6/30/17 10:15	MPP	6/30/17 16:16	RWS	D
<b>PCBs</b>											
Total Polychlorinated Biphenyl	ND		mg/kg	0.88		600/4-81-045	6/26/17 15:12	KJH	6/26/17 18:24	KJH	D1
Aroclor-1016	ND		mg/kg	0.88	0.12	600/4-81-045	6/26/17 15:12	KJH	6/26/17 18:24	KJH	D1
Aroclor-1221	ND		mg/kg	0.88	0.35	600/4-81-045	6/26/17 15:12	KJH	6/26/17 18:24	KJH	D1
Aroclor-1232	ND		mg/kg	0.88	0.32	600/4-81-045	6/26/17 15:12	KJH	6/26/17 18:24	KJH	D1
Aroclor-1242	ND		mg/kg	0.88	0.30	600/4-81-045	6/26/17 15:12	KJH	6/26/17 18:24	KJH	D1
Aroclor-1248	ND		mg/kg	0.88	0.31	600/4-81-045	6/26/17 15:12	KJH	6/26/17 18:24	KJH	D1
Aroclor-1254	ND		mg/kg	0.88	0.26	600/4-81-045	6/26/17 15:12	KJH	6/26/17 18:24	KJH	D1
Aroclor-1260	ND		mg/kg	0.88	0.11	600/4-81-045	6/26/17 15:12	KJH	6/26/17 18:24	KJH	D1
Aroclor-1262	ND		mg/kg	0.88	0.071	600/4-81-045	6/26/17 15:12	KJH	6/26/17 18:24	KJH	D1
Aroclor-1268	ND		mg/kg	0.88	0.12	600/4-81-045	6/26/17 15:12	KJH	6/26/17 18:24	KJH	D1
Surrogate Recoveries	Results	Flag	Units	Limits		Method	Prepared	By	Analyzed	By	Cntr
Decachlorobiphenyls (S)	98.3		%	64 - 150		600/4-81-045	6/26/17 15:12	KJH	6/26/17 18:24	KJH	D1
Tetrachloro-m-xylene (S)	110		%	74 - 152		600/4-81-045	6/26/17 15:12	KJH	6/26/17 18:24	KJH	D1
<b>WET CHEMISTRY</b>											
Corrosivity as pH	9.30	4,5	pH_Units			SW846 9045D			6/28/17 04:34	MSA	D
Cyanide, Reactive	ND		ppm	10	0.011	SW-846 7.3CN	6/28/17 17:00	AHI	6/29/17 14:01	CTD	A
Cyanide, Total	ND		mg/kg	0.47	0.17	SW846 9012B	6/27/17 13:14	CTD	6/27/17 15:43	CTD	
Flashpoint/Ignitability	See comment	1,2	Deg. F			SW-846 1010A			6/29/17 06:00	SDL	A
Sulfide, Reactive	1.6J	J	ppm	6.2	1.2	SW846 7.3	6/28/17 17:00	AHI	6/30/17 11:15	AHI	A
<b>METALS</b>											
Aluminum, Total	ND		mg/kg	19.2	6.4	SW846 6010C	6/27/17 01:00	LXC	6/27/17 07:02	TSS	J
Antimony, Total	ND		mg/kg	3.8	1.3	SW846 6010C	6/27/17 01:00	LXC	6/27/17 07:02	TSS	J
Arsenic, Total	ND		mg/kg	3.8	1.3	SW846 6010C	6/27/17 01:00	LXC	6/27/17 07:02	TSS	J
Barium, Total	1.1J	J	mg/kg	1.9	0.64	SW846 6010C	6/27/17 01:00	LXC	6/27/17 07:02	TSS	J
Beryllium, Total	ND		mg/kg	1.9	0.64	SW846 6010C	6/27/17 01:00	LXC	6/27/17 07:02	TSS	J
Cadmium, Total	ND		mg/kg	0.96	0.32	SW846 6010C	6/27/17 01:00	LXC	6/27/17 07:02	TSS	J

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## ANALYTICAL RESULTS

Workorder: 2241218 WEN010|2017-EP-S2-14-01 RFP NO

Lab ID: **2241218008** Date Collected: 6/21/2017 15:33 Matrix: Other  
Sample ID: **P001-LW-031** Date Received: 6/23/2017 19:50

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
Calcium, Total	14.9J	J	mg/kg	19.2	6.4	SW846 6010C	6/27/17 01:00 LXC	6/27/17 07:02	TSS	J
Chromium, Total	ND		mg/kg	1.9	0.64	SW846 6010C	6/27/17 01:00 LXC	6/27/17 07:02	TSS	J
Cobalt, Total	ND		mg/kg	1.9	0.64	SW846 6010C	6/27/17 01:00 LXC	6/27/17 07:02	TSS	J
Copper, Total	ND		mg/kg	3.8	1.3	SW846 6010C	6/27/17 01:00 LXC	6/27/17 07:02	TSS	J
Iron, Total	14.7J	J	mg/kg	19.2	6.4	SW846 6010C	6/27/17 01:00 LXC	6/27/17 07:02	TSS	J
Lead, Total	ND		mg/kg	3.8	1.3	SW846 6010C	6/27/17 01:00 LXC	6/27/17 07:02	TSS	J
Magnesium, Total	ND		mg/kg	19.2	6.4	SW846 6010C	6/27/17 01:00 LXC	6/27/17 07:02	TSS	J
Manganese, Total	ND		mg/kg	1.9	0.64	SW846 6010C	6/27/17 01:00 LXC	6/27/17 07:02	TSS	J
Mercury, Total	ND		mg/kg	0.10	0.032	SW846 7471B	6/28/17 01:30 AXC	6/28/17 02:58	AXC	K
Nickel, Total	ND		mg/kg	3.8	1.3	SW846 6010C	6/27/17 01:00 LXC	6/27/17 07:02	TSS	J
Potassium, Total	366		mg/kg	96.2	32.1	SW846 6010C	6/27/17 01:00 LXC	6/27/17 07:02	TSS	J
Selenium, Total	ND		mg/kg	9.6	3.2	SW846 6010C	6/27/17 01:00 LXC	6/27/17 07:02	TSS	J
Silver, Total	ND		mg/kg	0.96	0.32	SW846 6010C	6/27/17 01:00 LXC	6/27/17 07:02	TSS	J
Sodium, Total	19700		mg/kg	96.2	32.1	SW846 6010C	6/27/17 01:00 LXC	6/27/17 07:02	TSS	J
Thallium, Total	ND		mg/kg	5.8	1.9	SW846 6010C	6/27/17 01:00 LXC	6/27/17 07:02	TSS	J
Vanadium, Total	ND		mg/kg	1.9	0.64	SW846 6010C	6/27/17 01:00 LXC	6/27/17 07:02	TSS	J
Zinc, Total	ND		mg/kg	3.8	1.3	SW846 6010C	6/27/17 01:00 LXC	6/27/17 07:02	TSS	J

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Project Coordinator

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## ANALYTICAL RESULTS

Workorder: 2241218 WEN010|2017-EP-S2-14-01 RFP NO

Lab ID:	<b>2241218009</b>	Date Collected:	6/21/2017 15:15	Matrix:	Liquid Waste
Sample ID:	<b>P001-LW-034</b>	Date Received:	6/23/2017 19:50		

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
<b>WET CHEMISTRY</b>										
Corrosivity as pH	13.84	3	pH_Units			SW846 9040C		6/30/17 04:11	MSA	A
Cyanide, Reactive	ND		ppm	10.0	0.011	SW-846 7.3CN	6/28/17 17:00 AHI	6/29/17 14:01	CTD	A
Flashpoint/Ignitability	See comment	1,2	Deg. F			SW-846 1010A		6/29/17 06:00	SDL	A
Sulfide, Reactive	ND		ppm	6.3	1.3	SW846 7.3	6/28/17 17:00 AHI	6/30/17 11:15	AHI	A

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## ANALYTICAL RESULTS

Workorder: 2241218 WEN010|2017-EP-S2-14-01 RFP NO

Lab ID:	<b>2241218010</b>	Date Collected:	6/21/2017 15:45	Matrix:	Liquid Waste
Sample ID:	<b>P001-LW-040</b>	Date Received:	6/23/2017 19:50		

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
Total Polychlorinated Biphenyl	ND		ug/L	50.0	50.0	SW846 8082A	6/27/17 08:25 CAC	6/29/17 17:40	EGO	A
<b>VOLATILE ORGANICS</b>										
Acetone	2990J	J	ug/L	5000	1550	SW846 8260B		6/29/17 17:05	TMP	A
Benzene	ND		ug/L	500	115	SW846 8260B		6/29/17 17:05	TMP	A
Bromochloromethane	ND		ug/L	500	160	SW846 8260B		6/29/17 17:05	TMP	A
Bromodichloromethane	ND		ug/L	500	135	SW846 8260B		6/29/17 17:05	TMP	A
Bromoform	ND		ug/L	500	200	SW846 8260B		6/29/17 17:05	TMP	A
Bromomethane	329J	J	ug/L	500	195	SW846 8260B		6/29/17 17:05	TMP	A
2-Butanone	ND		ug/L	5000	900	SW846 8260B		6/29/17 17:05	TMP	A
Carbon Disulfide	ND		ug/L	500	115	SW846 8260B		6/29/17 17:05	TMP	A
Carbon Tetrachloride	ND		ug/L	500	155	SW846 8260B		6/29/17 17:05	TMP	A
Chlorobenzene	ND		ug/L	500	95.0	SW846 8260B		6/29/17 17:05	TMP	A
Chlorodibromomethane	ND		ug/L	500	225	SW846 8260B		6/29/17 17:05	TMP	A
Chloroethane	ND		ug/L	500	165	SW846 8260B		6/29/17 17:05	TMP	A
Chloroform	ND		ug/L	500	105	SW846 8260B		6/29/17 17:05	TMP	A
Chloromethane	ND		ug/L	500	155	SW846 8260B		6/29/17 17:05	TMP	A
Cyclohexane	ND		ug/L	500	145	SW846 8260B		6/29/17 17:05	TMP	A
1,2-Dibromo-3-chloropropane	ND		ug/L	3500	750	SW846 8260B		6/29/17 17:05	TMP	A
1,2-Dibromoethane	ND		ug/L	500	140	SW846 8260B		6/29/17 17:05	TMP	A
1,2-Dichlorobenzene	ND		ug/L	500	190	SW846 8260B		6/29/17 17:05	TMP	A
1,3-Dichlorobenzene	ND		ug/L	500	125	SW846 8260B		6/29/17 17:05	TMP	A
1,4-Dichlorobenzene	ND		ug/L	500	135	SW846 8260B		6/29/17 17:05	TMP	A
Dichlorodifluoromethane	ND		ug/L	500	165	SW846 8260B		6/29/17 17:05	TMP	A
1,1-Dichloroethane	ND		ug/L	500	140	SW846 8260B		6/29/17 17:05	TMP	A
1,2-Dichloroethane	ND		ug/L	500	160	SW846 8260B		6/29/17 17:05	TMP	A
1,1-Dichloroethene	ND		ug/L	500	145	SW846 8260B		6/29/17 17:05	TMP	A
cis-1,2-Dichloroethene	ND		ug/L	500	160	SW846 8260B		6/29/17 17:05	TMP	A
trans-1,2-Dichloroethene	ND		ug/L	500	130	SW846 8260B		6/29/17 17:05	TMP	A
1,2-Dichloropropane	ND		ug/L	500	120	SW846 8260B		6/29/17 17:05	TMP	A
cis-1,3-Dichloropropene	ND		ug/L	500	155	SW846 8260B		6/29/17 17:05	TMP	A
trans-1,3-Dichloropropene	ND		ug/L	500	145	SW846 8260B		6/29/17 17:05	TMP	A
1,4-Dioxane	ND		ug/L	160000	29500	SW846 8260B		6/29/17 17:05	TMP	A
Ethylbenzene	ND		ug/L	500	170	SW846 8260B		6/29/17 17:05	TMP	A
Freon 113	ND		ug/L	500	130	SW846 8260B		6/29/17 17:05	TMP	A
2-Hexanone	ND		ug/L	2500	650	SW846 8260B		6/29/17 17:05	TMP	A

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State Certifications: DE ID 11 , MA PA0102 , MD 128 , VA 460157 , WV 343

## ANALYTICAL RESULTS

Workorder: 2241218 WEN010|2017-EP-S2-14-01 RFP NO

Lab ID: **2241218010** Date Collected: 6/21/2017 15:45 Matrix: Liquid Waste  
Sample ID: **P001-LW-040** Date Received: 6/23/2017 19:50

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr	
Isopropylbenzene	ND		ug/L	500	110	SW846 8260B		6/29/17 17:05	TMP	A	
Methyl acetate	373J	J	ug/L	1000	160	SW846 8260B		6/29/17 17:05	TMP	A	
Methyl cyclohexane	ND		ug/L	500	150	SW846 8260B		6/29/17 17:05	TMP	A	
Methyl t-Butyl Ether	ND		ug/L	500	165	SW846 8260B		6/29/17 17:05	TMP	A	
4-Methyl-2-Pentanone(MIBK)	ND		ug/L	2500	750	SW846 8260B		6/29/17 17:05	TMP	A	
Methylene Chloride	ND		ug/L	500	225	SW846 8260B		6/29/17 17:05	TMP	A	
Styrene	ND		ug/L	500	120	SW846 8260B		6/29/17 17:05	TMP	A	
1,1,2,2-Tetrachloroethane	ND		ug/L	500	170	SW846 8260B		6/29/17 17:05	TMP	A	
Tetrachloroethene	ND		ug/L	500	175	SW846 8260B		6/29/17 17:05	TMP	A	
Toluene	ND		ug/L	500	115	SW846 8260B		6/29/17 17:05	TMP	A	
Total Xylenes	ND		ug/L	1500	330	SW846 8260B		6/29/17 17:05	TMP	A	
1,2,3-Trichlorobenzene	ND		ug/L	1000	465	SW846 8260B		6/29/17 17:05	TMP	A	
1,2,4-Trichlorobenzene	ND		ug/L	1000	410	SW846 8260B		6/29/17 17:05	TMP	A	
1,1,1-Trichloroethane	ND		ug/L	500	110	SW846 8260B		6/29/17 17:05	TMP	A	
1,1,2-Trichloroethane	ND		ug/L	500	165	SW846 8260B		6/29/17 17:05	TMP	A	
Trichloroethene	ND		ug/L	500	165	SW846 8260B		6/29/17 17:05	TMP	A	
Trichlorofluoromethane	ND		ug/L	500	120	SW846 8260B		6/29/17 17:05	TMP	A	
Vinyl Chloride	ND		ug/L	500	150	SW846 8260B		6/29/17 17:05	TMP	A	
o-Xylene	ND		ug/L	500	165	SW846 8260B		6/29/17 17:05	TMP	A	
mp-Xylene	ND		ug/L	1000	260	SW846 8260B		6/29/17 17:05	TMP	A	
Surrogate Recoveries	Results	Flag	Units	Limits		Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichloroethane-d4 (S)	104		%	62 - 133		SW846 8260B		6/29/17 17:05	TMP	A	
4-Bromofluorobenzene (S)	90.5		%	79 - 114		SW846 8260B		6/29/17 17:05	TMP	A	
Dibromofluoromethane (S)	69.3	1	%	78 - 116		SW846 8260B		6/29/17 17:05	TMP	A	
Toluene-d8 (S)	100		%	76 - 127		SW846 8260B		6/29/17 17:05	TMP	A	
SEMIVOLATILES											
Acenaphthene	ND		ug/L	3000	300	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:38	DHF	A	
Acenaphthylene	ND		ug/L	3000	380	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:38	DHF	A	
Acetophenone	ND		ug/L	6000	480	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:38	DHF	A	
Anthracene	ND		ug/L	3000	300	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:38	DHF	A	
Atrazine	ND		ug/L	6000	480	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:38	DHF	A	
Benzaldehyde	ND		ug/L	6000	520	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:38	DHF	A	
Benzo(a)anthracene	ND		ug/L	3000	260	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:38	DHF	A	
Benzo(a)pyrene	ND		ug/L	3000	440	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:38	DHF	A	
Benzo(b)fluoranthene	ND		ug/L	3000	220	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:38	DHF	A	
Benzo(g,h,i)perylene	ND		ug/L	3000	440	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:38	DHF	A	
Benzo(k)fluoranthene	ND		ug/L	3000	380	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:38	DHF	A	

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## ANALYTICAL RESULTS

Workorder: 2241218 WEN010|2017-EP-S2-14-01 RFP NO

Lab ID: **2241218010** Date Collected: 6/21/2017 15:45 Matrix: Liquid Waste  
Sample ID: **P001-LW-040** Date Received: 6/23/2017 19:50

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
Biphenyl	ND		ug/L	6000	340	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:38	DHF	A
4-Bromophenyl-phenylether	ND		ug/L	6000	340	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:38	DHF	A
Butylbenzylphthalate	ND		ug/L	6000	220	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:38	DHF	A
Caprolactam	ND		ug/L	6000	560	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:38	DHF	A
Carbazole	ND		ug/L	6000	240	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:38	DHF	A
4-Chloro-3-methylphenol	ND		ug/L	6000	380	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:38	DHF	A
4-Chloroaniline	ND		ug/L	6000	420	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:38	DHF	A
bis(2-Chloroethoxy)methane	ND		ug/L	6000	420	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:38	DHF	A
bis(2-Chloroethyl)ether	ND		ug/L	6000	340	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:38	DHF	A
bis(2-Chloroisopropyl)ether	ND		ug/L	6000	560	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:38	DHF	A
2-Chloronaphthalene	ND		ug/L	6000	360	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:38	DHF	A
2-Chlorophenol	ND		ug/L	6000	660	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:38	DHF	A
4-Chlorophenyl-phenylether	ND		ug/L	6000	280	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:38	DHF	A
Chrysene	ND		ug/L	3000	240	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:38	DHF	A
mp-Cresol	ND		ug/L	6000	300	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:38	DHF	A
o-Cresol	ND		ug/L	6000	500	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:38	DHF	A
Di-n-Butylphthalate	ND		ug/L	6000	280	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:38	DHF	A
Di-n-Octylphthalate	ND		ug/L	6000	200	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:38	DHF	A
Dibenzo(a,h)anthracene	ND		ug/L	3000	420	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:38	DHF	A
Dibenzofuran	ND		ug/L	6000	220	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:38	DHF	A
3,3-Dichlorobenzidine	ND		ug/L	6000	960	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:38	DHF	A
2,4-Dichlorophenol	ND		ug/L	6000	640	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:38	DHF	A
Diethylphthalate	ND		ug/L	6000	360	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:38	DHF	A
2,4-Dimethylphenol	ND		ug/L	6000	420	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:38	DHF	A
Dimethylphthalate	ND		ug/L	6000	280	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:38	DHF	A
2,4-Dinitrophenol	ND		ug/L	12000	3620	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:38	DHF	A
2,4-Dinitrotoluene	ND		ug/L	6000	240	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:38	DHF	A
2,6-Dinitrotoluene	ND		ug/L	6000	420	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:38	DHF	A
1,4-Dioxane	ND		ug/L	6000	1380	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:38	DHF	A
bis(2-Ethylhexyl)phthalate	ND		ug/L	6000	440	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:38	DHF	A
Fluoranthene	ND		ug/L	3000	340	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:38	DHF	A
Fluorene	ND		ug/L	3000	400	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:38	DHF	A
Hexachlorobenzene	ND		ug/L	6000	460	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:38	DHF	A
Hexachlorobutadiene	ND		ug/L	6000	380	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:38	DHF	A
Hexachlorocyclopentadiene	ND		ug/L	6000	340	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:38	DHF	A
Hexachloroethane	ND		ug/L	6000	600	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:38	DHF	A
Indeno(1,2,3-cd)pyrene	ND		ug/L	3000	200	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:38	DHF	A
Isophorone	ND		ug/L	6000	300	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:38	DHF	A

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## ANALYTICAL RESULTS

Workorder: 2241218 WEN010|2017-EP-S2-14-01 RFP NO

Lab ID: **2241218010** Date Collected: 6/21/2017 15:45 Matrix: Liquid Waste  
Sample ID: **P001-LW-040** Date Received: 6/23/2017 19:50

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed By	By	Cntr
2-Methyl-4,6-dinitrophenol	ND		ug/L	12000	660	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:38	DHF	A
2-Methylnaphthalene	ND		ug/L	3000	320	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:38	DHF	A
Naphthalene	ND		ug/L	3000	240	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:38	DHF	A
2-Nitroaniline	ND		ug/L	6000	400	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:38	DHF	A
3-Nitroaniline	ND		ug/L	6000	360	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:38	DHF	A
4-Nitroaniline	ND		ug/L	6000	820	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:38	DHF	A
Nitrobenzene	ND		ug/L	6000	560	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:38	DHF	A
2-Nitrophenol	ND		ug/L	6000	900	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:38	DHF	A
4-Nitrophenol	ND		ug/L	6000	2100	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:38	DHF	A
N-Nitroso-di-n-propylamine	ND		ug/L	6000	480	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:38	DHF	A
N-Nitrosodiphenylamine	ND		ug/L	6000	360	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:38	DHF	A
Pentachlorophenol	ND		ug/L	12000	2140	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:38	DHF	A
Phenanthrene	ND		ug/L	3000	260	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:38	DHF	A
Phenol	690J	J	ug/L	16000	460	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:38	DHF	A
Pyrene	ND		ug/L	3000	320	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:38	DHF	A
1,2,4,5-Tetrachlorobenzene	ND		ug/L	6000	380	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:38	DHF	A
2,3,4,6-Tetrachlorophenol	ND		ug/L	6000	960	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:38	DHF	A
2,4,5-Trichlorophenol	ND		ug/L	6000	1100	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:38	DHF	A
2,4,6-Trichlorophenol	ND		ug/L	6000	1140	SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:38	DHF	A
<b>Surrogate Recoveries</b>	<b>Results</b>	<b>Flag</b>	<b>Units</b>	<b>Limits</b>		<b>Method</b>	<b>Prepared</b>	<b>By</b>	<b>Analyzed</b>	<b>By</b>
2,4,6-Tribromophenol (S)	76.3		%	47 - 128		SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:38	DHF	A
2-Fluorobiphenyl (S)	58.1		%	52 - 118		SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:38	DHF	A
2-Fluorophenol (S)	35.6		%	20 - 87		SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:38	DHF	A
Nitrobenzene-d5 (S)	82.4		%	27 - 139		SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:38	DHF	A
Phenol-d5 (S)	26.2		%	10 - 81		SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:38	DHF	A
Terphenyl-d14 (S)	26.5	2	%	46 - 133		SW846 8270D	6/28/17 10:30 JTH	6/29/17 04:38	DHF	A
<b>PCBs</b>										
Aroclor-1016	ND		ug/L	50.0	6.0	SW846 8082A	6/27/17 08:25 CAC	6/29/17 17:40	EGO	A
Aroclor-1221	ND		ug/L	50.0	7.0	SW846 8082A	6/27/17 08:25 CAC	6/29/17 17:40	EGO	A
Aroclor-1232	ND		ug/L	50.0	19.0	SW846 8082A	6/27/17 08:25 CAC	6/29/17 17:40	EGO	A
Aroclor-1242	ND		ug/L	50.0	24.0	SW846 8082A	6/27/17 08:25 CAC	6/29/17 17:40	EGO	A
Aroclor-1248	ND		ug/L	50.0	14.0	SW846 8082A	6/27/17 08:25 CAC	6/29/17 17:40	EGO	A
Aroclor-1254	ND		ug/L	50.0	10.0	SW846 8082A	6/27/17 08:25 CAC	6/29/17 17:40	EGO	A
Aroclor-1260	ND		ug/L	50.0	7.0	SW846 8082A	6/27/17 08:25 CAC	6/29/17 17:40	EGO	A
Aroclor-1262	ND		ug/L	50.0	10.0	SW846 8082A	6/27/17 08:25 CAC	6/29/17 17:40	EGO	A
Aroclor-1268	ND		ug/L	50.0	17.0	SW846 8082A	6/27/17 08:25 CAC	6/29/17 17:40	EGO	A
<b>Surrogate Recoveries</b>	<b>Results</b>	<b>Flag</b>	<b>Units</b>	<b>Limits</b>		<b>Method</b>	<b>Prepared</b>	<b>By</b>	<b>Analyzed</b>	<b>By</b>

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## ANALYTICAL RESULTS

Workorder: 2241218 WEN010|2017-EP-S2-14-01 RFP NO

Lab ID:	<b>2241218010</b>	Date Collected:	6/21/2017 15:45	Matrix:	Liquid Waste
Sample ID:	<b>P001-LW-040</b>	Date Received:	6/23/2017 19:50		

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
Decachlorobiphenyls (S)	10.7	4	%	30 - 140		SW846 8082A	6/27/17 08:25 CAC	6/29/17 17:40	EGO	A
Tetrachloro-m-xylene (S)	9.74	3	%	30 - 133		SW846 8082A	6/27/17 08:25 CAC	6/29/17 17:40	EGO	A
<b>PESTICIDES</b>										
Aldrin	ND		ug/L	2.0	0.50	SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:03	RWS	A
alpha-BHC	ND		ug/L	2.0	0.20	SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:03	RWS	A
beta-BHC	ND		ug/L	2.0	0.80	SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:03	RWS	A
delta-BHC	ND		ug/L	2.0	0.30	SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:03	RWS	A
gamma-BHC	ND		ug/L	2.0	0.30	SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:03	RWS	A
alpha-Chlordane	ND		ug/L	2.0	0.30	SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:03	RWS	A
gamma-Chlordane	ND		ug/L	2.0	0.30	SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:03	RWS	A
4,4'-DDD	ND		ug/L	2.0	0.70	SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:03	RWS	A
4,4'-DDE	ND		ug/L	2.0	0.70	SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:03	RWS	A
4,4'-DDT	ND		ug/L	2.0	0.60	SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:03	RWS	A
Dieldrin	ND		ug/L	2.0	0.30	SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:03	RWS	A
Endosulfan I	ND		ug/L	2.0	0.30	SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:03	RWS	A
Endosulfan II	ND		ug/L	2.0	0.60	SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:03	RWS	A
Endosulfan Sulfate	ND		ug/L	2.0	0.40	SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:03	RWS	A
Endrin	ND		ug/L	2.0	0.80	SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:03	RWS	A
Endrin Aldehyde	ND		ug/L	2.0	1.0	SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:03	RWS	A
Endrin Ketone	ND		ug/L	2.0	0.40	SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:03	RWS	A
Heptachlor	ND		ug/L	2.0	0.30	SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:03	RWS	A
Heptachlor Epoxide	ND		ug/L	2.0	0.40	SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:03	RWS	A
Methoxychlor	ND		ug/L	2.0	0.90	SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:03	RWS	A
Toxaphene	ND		ug/L	100	19.0	SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:03	RWS	A
<i>Surrogate Recoveries</i>										
Decachlorobiphenyls (S)	1.68		%	30 - 140		SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:03	RWS	A
Tetrachloro-m-xylene (S)	7.04		%	30 - 123		SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:03	RWS	A
<b>WET CHEMISTRY</b>										
Corrosivity as pH	10.26	7	pH_Units			SW846 9040C		6/30/17 04:16	MSA	A
Cyanide, Reactive	ND		ppm	10	0.011	SW-846 7.3CN	6/28/17 17:00 AHI	6/29/17 14:01	CTD	A
Cyanide, Total	0.15		mg/L	0.050	0.022	SW846 9012B	6/27/17 11:13 CTD	6/27/17 15:43	CTD	A
Flashpoint/Ignitability	See comment	5,6	Deg. F			SW-846 1010A		6/29/17 06:00	SDL	A
Sulfide, Reactive	2.4J	J	ppm	6.2	1.2	SW846 7.3	6/28/17 17:00 AHI	6/30/17 11:15	AHI	A
<b>METALS</b>										
Aluminum, Total	ND		mg/L	10	3.2	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:24	SRT	A3
Antimony, Total	ND		mg/L	2.0	0.90	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:24	SRT	A3

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## ANALYTICAL RESULTS

Workorder: 2241218 WEN010|2017-EP-S2-14-01 RFP NO

Lab ID:	<b>2241218010</b>	Date Collected:	6/21/2017 15:45	Matrix:	Liquid Waste
Sample ID:	<b>P001-LW-040</b>	Date Received:	6/23/2017 19:50		

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
Arsenic, Total	1.2		mg/L	0.81	0.27	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:24	SRT	A3
Barium, Total	0.41J	J	mg/L	1.0	0.32	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:24	SRT	A3
Beryllium, Total	ND		mg/L	0.40	0.13	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:24	SRT	A3
Cadmium, Total	ND		mg/L	0.20	0.066	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:24	SRT	A3
Calcium, Total	6.6J	J	mg/L	10	3.2	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:24	SRT	A3
Chromium, Total	ND		mg/L	0.50	0.18	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:24	SRT	A3
Cobalt, Total	ND		mg/L	0.50	0.18	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:24	SRT	A3
Copper, Total	ND		mg/L	1.0	0.32	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:24	SRT	A3
Iron, Total	ND		mg/L	6.0	2.0	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:24	SRT	A3
Lead, Total	ND		mg/L	0.60	0.20	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:24	SRT	A3
Magnesium, Total	ND		mg/L	10	3.2	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:24	SRT	A3
Manganese, Total	ND		mg/L	0.50	0.18	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:24	SRT	A3
Mercury, Total	ND		mg/L	0.13	0.042	SW846 7470A	6/28/17 00:25 AXC	6/28/17 04:19	AXC	A2
Nickel, Total	ND		mg/L	2.0	0.66	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:24	SRT	A3
Potassium, Total	121		mg/L	50.0	16.2	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:24	SRT	A3
Selenium, Total	1.3J	J	mg/L	2.0	0.66	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:24	SRT	A3
Silver, Total	ND		mg/L	0.40	0.13	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:24	SRT	A3
Sodium, Total	15100		mg/L	50.0	16.2	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:24	SRT	A3
Thallium, Total	ND		mg/L	2.0	0.66	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:24	SRT	A3
Vanadium, Total	ND		mg/L	0.50	0.18	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:24	SRT	A3
Zinc, Total	1.2J	J	mg/L	2.0	0.66	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:24	SRT	A3

Ms. Susan J Scherer

Project Coordinator

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## ANALYTICAL RESULTS

Workorder: 2241218 WEN010|2017-EP-S2-14-01 RFP NO

Lab ID: **2241218011** Date Collected: 6/21/2017 15:23 Matrix: Other  
Sample ID: **P001-LW-043** Date Received: 6/23/2017 19:50

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed By	Cntr
<b>WET CHEMISTRY</b>									
Cyanide, Total	0.38J	J	mg/kg	0.48	0.17	SW846 9012B	6/28/17 11:16 CTD	6/28/17 15:19	CTD
<b>METALS</b>									
Aluminum, Total	16.9J	J	mg/kg	19.2	6.4	SW846 6010C	6/28/17 01:05 LXC	6/30/17 11:48	TSS D
Antimony, Total	ND		mg/kg	3.8	1.3	SW846 6010C	6/28/17 01:05 LXC	6/30/17 11:48	TSS D
Arsenic, Total	ND		mg/kg	3.8	1.3	SW846 6010C	6/28/17 01:05 LXC	6/30/17 11:48	TSS D
Barium, Total	2.0		mg/kg	1.9	0.64	SW846 6010C	6/28/17 01:05 LXC	6/30/17 11:48	TSS D
Beryllium, Total	ND		mg/kg	1.9	0.64	SW846 6010C	6/28/17 01:05 LXC	6/30/17 11:48	TSS D
Cadmium, Total	ND		mg/kg	0.96	0.32	SW846 6010C	6/28/17 01:05 LXC	6/30/17 11:48	TSS D
Calcium, Total	40.6		mg/kg	19.2	6.4	SW846 6010C	6/28/17 01:05 LXC	6/30/17 11:48	TSS D
Chromium, Total	ND		mg/kg	1.9	0.64	SW846 6010C	6/28/17 01:05 LXC	6/30/17 11:48	TSS D
Cobalt, Total	ND		mg/kg	1.9	0.64	SW846 6010C	6/28/17 01:05 LXC	6/30/17 11:48	TSS D
Copper, Total	1.7J	J	mg/kg	3.8	1.3	SW846 6010C	6/28/17 01:05 LXC	6/30/17 11:48	TSS D
Iron, Total	8.5J	J	mg/kg	19.2	6.4	SW846 6010C	6/28/17 01:05 LXC	6/30/17 11:48	TSS D
Lead, Total	ND		mg/kg	3.8	1.3	SW846 6010C	6/28/17 01:05 LXC	6/30/17 11:48	TSS D
Magnesium, Total	21.3		mg/kg	19.2	6.4	SW846 6010C	6/28/17 01:05 LXC	6/30/17 11:48	TSS D
Manganese, Total	ND		mg/kg	1.9	0.64	SW846 6010C	6/28/17 01:05 LXC	6/30/17 11:48	TSS D
Mercury, Total	ND		mg/kg	0.10	0.032	SW846 7471B	6/28/17 01:30 AXC	6/28/17 02:59	AXC C
Nickel, Total	ND		mg/kg	3.8	1.3	SW846 6010C	6/28/17 01:05 LXC	6/30/17 11:48	TSS D
Potassium, Total	42.6J	J	mg/kg	96.2	32.1	SW846 6010C	6/28/17 01:05 LXC	6/30/17 11:48	TSS D
Selenium, Total	ND		mg/kg	9.6	3.2	SW846 6010C	6/28/17 01:05 LXC	6/30/17 11:48	TSS D
Silver, Total	ND		mg/kg	0.96	0.32	SW846 6010C	6/28/17 01:05 LXC	6/30/17 11:48	TSS D
Sodium, Total	34400		mg/kg	96.2	32.1	SW846 6010C	6/28/17 01:05 LXC	6/30/17 11:48	TSS D
Thallium, Total	ND		mg/kg	5.8	1.9	SW846 6010C	6/28/17 01:05 LXC	6/30/17 11:48	TSS D
Vanadium, Total	ND		mg/kg	1.9	0.64	SW846 6010C	6/28/17 01:05 LXC	6/30/17 11:48	TSS D
Zinc, Total	ND		mg/kg	3.8	1.3	SW846 6010C	6/28/17 01:05 LXC	6/30/17 11:48	TSS D

*Susan J. Scherer*  
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## ANALYTICAL RESULTS

Workorder: 2241218 WEN010|2017-EP-S2-14-01 RFP NO

Lab ID: **2241218012** Date Collected: 6/21/2017 15:40 Matrix: Other  
Sample ID: **P001-LW-045** Date Received: 6/23/2017 19:50

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed By	Cntr
<b>WET CHEMISTRY</b>									
Cyanide, Total	ND		mg/kg	0.47	0.17	SW846 9012B	6/28/17 11:16 CTD	6/28/17 15:19	CTD
<b>METALS</b>									
Aluminum, Total	27.1		mg/kg	19.2	6.4	SW846 6010C	6/28/17 01:05 LXC	6/30/17 11:52	TSS D
Antimony, Total	ND		mg/kg	3.8	1.3	SW846 6010C	6/28/17 01:05 LXC	6/30/17 11:52	TSS D
Arsenic, Total	ND		mg/kg	3.8	1.3	SW846 6010C	6/28/17 01:05 LXC	6/30/17 11:52	TSS D
Barium, Total	2.2		mg/kg	1.9	0.64	SW846 6010C	6/28/17 01:05 LXC	6/30/17 11:52	TSS D
Beryllium, Total	ND		mg/kg	1.9	0.64	SW846 6010C	6/28/17 01:05 LXC	6/30/17 11:52	TSS D
Cadmium, Total	ND		mg/kg	0.96	0.32	SW846 6010C	6/28/17 01:05 LXC	6/30/17 11:52	TSS D
Calcium, Total	40.5		mg/kg	19.2	6.4	SW846 6010C	6/28/17 01:05 LXC	6/30/17 11:52	TSS D
Chromium, Total	ND		mg/kg	1.9	0.64	SW846 6010C	6/28/17 01:05 LXC	6/30/17 11:52	TSS D
Cobalt, Total	ND		mg/kg	1.9	0.64	SW846 6010C	6/28/17 01:05 LXC	6/30/17 11:52	TSS D
Copper, Total	ND		mg/kg	3.8	1.3	SW846 6010C	6/28/17 01:05 LXC	6/30/17 11:52	TSS D
Iron, Total	467		mg/kg	19.2	6.4	SW846 6010C	6/28/17 01:05 LXC	6/30/17 11:52	TSS D
Lead, Total	ND		mg/kg	3.8	1.3	SW846 6010C	6/28/17 01:05 LXC	6/30/17 11:52	TSS D
Magnesium, Total	ND		mg/kg	19.2	6.4	SW846 6010C	6/28/17 01:05 LXC	6/30/17 11:52	TSS D
Manganese, Total	1.4J	J	mg/kg	1.9	0.64	SW846 6010C	6/28/17 01:05 LXC	6/30/17 11:52	TSS D
Mercury, Total	ND		mg/kg	0.10	0.032	SW846 7471B	6/28/17 01:30 AXC	6/28/17 03:00	AXC C
Nickel, Total	ND		mg/kg	3.8	1.3	SW846 6010C	6/28/17 01:05 LXC	6/30/17 11:52	TSS D
Potassium, Total	ND		mg/kg	96.2	32.1	SW846 6010C	6/28/17 01:05 LXC	6/30/17 11:52	TSS D
Selenium, Total	ND		mg/kg	9.6	3.2	SW846 6010C	6/28/17 01:05 LXC	6/30/17 11:52	TSS D
Silver, Total	ND		mg/kg	0.96	0.32	SW846 6010C	6/28/17 01:05 LXC	6/30/17 11:52	TSS D
Sodium, Total	ND		mg/kg	96.2	32.1	SW846 6010C	6/28/17 01:05 LXC	6/30/17 11:52	TSS D
Thallium, Total	ND		mg/kg	5.8	1.9	SW846 6010C	6/28/17 01:05 LXC	6/30/17 11:52	TSS D
Vanadium, Total	ND		mg/kg	1.9	0.64	SW846 6010C	6/28/17 01:05 LXC	6/30/17 11:52	TSS D
Zinc, Total	ND		mg/kg	3.8	1.3	SW846 6010C	6/28/17 01:05 LXC	6/30/17 11:52	TSS D

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## ANALYTICAL RESULTS

Workorder: 2241218 WEN010|2017-EP-S2-14-01 RFP NO

Lab ID: **2241218013** Date Collected: 6/21/2017 16:42 Matrix: Liquid Waste  
Sample ID: **P001-LW-046** Date Received: 6/23/2017 19:50

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
<b>VOLATILE ORGANICS</b>										
Acetone	ND		ug/L	5000	1550	SW846 8260B		6/29/17 17:27	TMP	A
Benzene	ND		ug/L	500	115	SW846 8260B		6/29/17 17:27	TMP	A
Bromochloromethane	ND		ug/L	500	160	SW846 8260B		6/29/17 17:27	TMP	A
Bromodichloromethane	ND		ug/L	500	135	SW846 8260B		6/29/17 17:27	TMP	A
Bromoform	ND		ug/L	500	200	SW846 8260B		6/29/17 17:27	TMP	A
Bromomethane	395J	J	ug/L	500	195	SW846 8260B		6/29/17 17:27	TMP	A
2-Butanone	1020J	J	ug/L	5000	900	SW846 8260B		6/29/17 17:27	TMP	A
Carbon Disulfide	ND		ug/L	500	115	SW846 8260B		6/29/17 17:27	TMP	A
Carbon Tetrachloride	ND		ug/L	500	155	SW846 8260B		6/29/17 17:27	TMP	A
Chlorobenzene	ND		ug/L	500	95.0	SW846 8260B		6/29/17 17:27	TMP	A
Chlorodibromomethane	ND		ug/L	500	225	SW846 8260B		6/29/17 17:27	TMP	A
Chloroethane	ND		ug/L	500	165	SW846 8260B		6/29/17 17:27	TMP	A
Chloroform	ND		ug/L	500	105	SW846 8260B		6/29/17 17:27	TMP	A
Chloromethane	ND		ug/L	500	155	SW846 8260B		6/29/17 17:27	TMP	A
Cyclohexane	ND		ug/L	500	145	SW846 8260B		6/29/17 17:27	TMP	A
1,2-Dibromo-3-chloropropane	ND		ug/L	3500	750	SW846 8260B		6/29/17 17:27	TMP	A
1,2-Dibromoethane	ND		ug/L	500	140	SW846 8260B		6/29/17 17:27	TMP	A
1,2-Dichlorobenzene	ND		ug/L	500	190	SW846 8260B		6/29/17 17:27	TMP	A
1,3-Dichlorobenzene	ND		ug/L	500	125	SW846 8260B		6/29/17 17:27	TMP	A
1,4-Dichlorobenzene	ND		ug/L	500	135	SW846 8260B		6/29/17 17:27	TMP	A
Dichlorodifluoromethane	ND		ug/L	500	165	SW846 8260B		6/29/17 17:27	TMP	A
1,1-Dichloroethane	ND		ug/L	500	140	SW846 8260B		6/29/17 17:27	TMP	A
1,2-Dichloroethane	ND		ug/L	500	160	SW846 8260B		6/29/17 17:27	TMP	A
1,1-Dichloroethene	ND		ug/L	500	145	SW846 8260B		6/29/17 17:27	TMP	A
cis-1,2-Dichloroethene	ND		ug/L	500	160	SW846 8260B		6/29/17 17:27	TMP	A
trans-1,2-Dichloroethene	ND		ug/L	500	130	SW846 8260B		6/29/17 17:27	TMP	A
1,2-Dichloropropane	ND		ug/L	500	120	SW846 8260B		6/29/17 17:27	TMP	A
cis-1,3-Dichloropropene	ND		ug/L	500	155	SW846 8260B		6/29/17 17:27	TMP	A
trans-1,3-Dichloropropene	ND		ug/L	500	145	SW846 8260B		6/29/17 17:27	TMP	A
1,4-Dioxane	ND		ug/L	160000	29500	SW846 8260B		6/29/17 17:27	TMP	A
Ethylbenzene	ND		ug/L	500	170	SW846 8260B		6/29/17 17:27	TMP	A
Freon 113	ND		ug/L	500	130	SW846 8260B		6/29/17 17:27	TMP	A
2-Hexanone	ND		ug/L	2500	650	SW846 8260B		6/29/17 17:27	TMP	A
Isopropylbenzene	ND		ug/L	500	110	SW846 8260B		6/29/17 17:27	TMP	A
Methyl acetate	ND		ug/L	1000	160	SW846 8260B		6/29/17 17:27	TMP	A
Methyl cyclohexane	ND		ug/L	500	150	SW846 8260B		6/29/17 17:27	TMP	A

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## ANALYTICAL RESULTS

Workorder: 2241218 WEN010|2017-EP-S2-14-01 RFP NO

Lab ID: **2241218013** Date Collected: 6/21/2017 16:42 Matrix: Liquid Waste  
Sample ID: **P001-LW-046** Date Received: 6/23/2017 19:50

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr	
Methyl t-Butyl Ether	ND		ug/L	500	165	SW846 8260B		6/29/17 17:27	TMP	A	
4-Methyl-2-Pentanone(MIBK)	ND		ug/L	2500	750	SW846 8260B		6/29/17 17:27	TMP	A	
Methylene Chloride	ND		ug/L	500	225	SW846 8260B		6/29/17 17:27	TMP	A	
Styrene	ND		ug/L	500	120	SW846 8260B		6/29/17 17:27	TMP	A	
1,1,2,2-Tetrachloroethane	ND		ug/L	500	170	SW846 8260B		6/29/17 17:27	TMP	A	
Tetrachloroethene	ND		ug/L	500	175	SW846 8260B		6/29/17 17:27	TMP	A	
Toluene	ND		ug/L	500	115	SW846 8260B		6/29/17 17:27	TMP	A	
Total Xylenes	ND		ug/L	1500	330	SW846 8260B		6/29/17 17:27	TMP	A	
1,2,3-Trichlorobenzene	ND		ug/L	1000	465	SW846 8260B		6/29/17 17:27	TMP	A	
1,2,4-Trichlorobenzene	ND		ug/L	1000	410	SW846 8260B		6/29/17 17:27	TMP	A	
1,1,1-Trichloroethane	ND		ug/L	500	110	SW846 8260B		6/29/17 17:27	TMP	A	
1,1,2-Trichloroethane	ND		ug/L	500	165	SW846 8260B		6/29/17 17:27	TMP	A	
Trichloroethene	ND		ug/L	500	165	SW846 8260B		6/29/17 17:27	TMP	A	
Trichlorofluoromethane	ND		ug/L	500	120	SW846 8260B		6/29/17 17:27	TMP	A	
Vinyl Chloride	ND		ug/L	500	150	SW846 8260B		6/29/17 17:27	TMP	A	
o-Xylene	ND		ug/L	500	165	SW846 8260B		6/29/17 17:27	TMP	A	
mp-Xylene	ND		ug/L	1000	260	SW846 8260B		6/29/17 17:27	TMP	A	
Surrogate Recoveries	Results	Flag	Units	Limits		Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichloroethane-d4 (S)	105		%	62 - 133		SW846 8260B		6/29/17 17:27	TMP	A	
4-Bromofluorobenzene (S)	91		%	79 - 114		SW846 8260B		6/29/17 17:27	TMP	A	
Dibromofluoromethane (S)	69.1	1	%	78 - 116		SW846 8260B		6/29/17 17:27	TMP	A	
Toluene-d8 (S)	99.8		%	76 - 127		SW846 8260B		6/29/17 17:27	TMP	A	
SEMIVOLATILES											
Acenaphthene	ND		ug/L	3000	300	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:32	DHF	A	
Acenaphthylene	ND		ug/L	3000	380	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:32	DHF	A	
Acetophenone	ND		ug/L	6000	480	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:32	DHF	A	
Anthracene	ND		ug/L	3000	300	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:32	DHF	A	
Atrazine	ND		ug/L	6000	480	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:32	DHF	A	
Benzaldehyde	ND		ug/L	6000	520	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:32	DHF	A	
Benzo(a)anthracene	ND		ug/L	3000	260	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:32	DHF	A	
Benzo(a)pyrene	ND		ug/L	3000	440	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:32	DHF	A	
Benzo(b)fluoranthene	ND		ug/L	3000	220	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:32	DHF	A	
Benzo(g,h,i)perylene	ND		ug/L	3000	440	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:32	DHF	A	
Benzo(k)fluoranthene	ND		ug/L	3000	380	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:32	DHF	A	
Biphenyl	ND		ug/L	6000	340	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:32	DHF	A	
4-Bromophenyl-phenylether	ND		ug/L	6000	340	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:32	DHF	A	
Butylbenzylphthalate	ND		ug/L	6000	220	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:32	DHF	A	

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## ANALYTICAL RESULTS

Workorder: 2241218 WEN010|2017-EP-S2-14-01 RFP NO

Lab ID: **2241218013** Date Collected: 6/21/2017 16:42 Matrix: Liquid Waste  
Sample ID: **P001-LW-046** Date Received: 6/23/2017 19:50

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
Caprolactam	ND		ug/L	6000	560	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:32	DHF	A
Carbazole	ND		ug/L	6000	240	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:32	DHF	A
4-Chloro-3-methylphenol	ND		ug/L	6000	380	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:32	DHF	A
4-Chloroaniline	ND		ug/L	6000	420	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:32	DHF	A
bis(2-Chloroethoxy)methane	ND		ug/L	6000	420	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:32	DHF	A
bis(2-Chloroethyl)ether	ND		ug/L	6000	340	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:32	DHF	A
bis(2-Chloroisopropyl)ether	ND		ug/L	6000	560	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:32	DHF	A
2-Chloronaphthalene	ND		ug/L	6000	360	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:32	DHF	A
2-Chlorophenol	ND		ug/L	6000	660	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:32	DHF	A
4-Chlorophenyl-phenylether	ND		ug/L	6000	280	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:32	DHF	A
Chrysene	ND		ug/L	3000	240	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:32	DHF	A
mp-Cresol	ND		ug/L	6000	300	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:32	DHF	A
o-Cresol	ND		ug/L	6000	500	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:32	DHF	A
Di-n-Butylphthalate	ND		ug/L	6000	280	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:32	DHF	A
Di-n-Octylphthalate	ND		ug/L	6000	200	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:32	DHF	A
Dibenzo(a,h)anthracene	ND		ug/L	3000	420	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:32	DHF	A
Dibenzofuran	ND		ug/L	6000	220	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:32	DHF	A
3,3-Dichlorobenzidine	ND		ug/L	6000	960	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:32	DHF	A
2,4-Dichlorophenol	ND		ug/L	6000	640	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:32	DHF	A
Diethylphthalate	ND		ug/L	6000	360	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:32	DHF	A
2,4-Dimethylphenol	ND		ug/L	6000	420	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:32	DHF	A
Dimethylphthalate	ND		ug/L	6000	280	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:32	DHF	A
2,4-Dinitrophenol	ND		ug/L	12000	3620	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:32	DHF	A
2,4-Dinitrotoluene	ND		ug/L	6000	240	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:32	DHF	A
2,6-Dinitrotoluene	ND		ug/L	6000	420	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:32	DHF	A
1,4-Dioxane	ND		ug/L	6000	1380	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:32	DHF	A
bis(2-Ethylhexyl)phthalate	ND		ug/L	6000	440	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:32	DHF	A
Fluoranthene	ND		ug/L	3000	340	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:32	DHF	A
Fluorene	ND		ug/L	3000	400	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:32	DHF	A
Hexachlorobenzene	ND		ug/L	6000	460	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:32	DHF	A
Hexachlorobutadiene	ND		ug/L	6000	380	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:32	DHF	A
Hexachlorocyclopentadiene	ND		ug/L	6000	340	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:32	DHF	A
Hexachloroethane	ND		ug/L	6000	600	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:32	DHF	A
Indeno(1,2,3-cd)pyrene	ND		ug/L	3000	200	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:32	DHF	A
Isophorone	ND		ug/L	6000	300	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:32	DHF	A
2-Methyl-4,6-dinitrophenol	ND		ug/L	12000	660	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:32	DHF	A
2-Methylnaphthalene	1230J	J	ug/L	3000	320	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:32	DHF	A
Naphthalene	543J	J	ug/L	3000	240	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:32	DHF	A

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## ANALYTICAL RESULTS

Workorder: 2241218 WEN010|2017-EP-S2-14-01 RFP NO

Lab ID: **2241218013** Date Collected: 6/21/2017 16:42 Matrix: Liquid Waste  
Sample ID: **P001-LW-046** Date Received: 6/23/2017 19:50

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
2-Nitroaniline	ND		ug/L	6000	400	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:32	DHF	A
3-Nitroaniline	ND		ug/L	6000	360	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:32	DHF	A
4-Nitroaniline	ND		ug/L	6000	820	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:32	DHF	A
Nitrobenzene	ND		ug/L	6000	560	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:32	DHF	A
2-Nitrophenol	ND		ug/L	6000	900	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:32	DHF	A
4-Nitrophenol	ND		ug/L	6000	2100	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:32	DHF	A
N-Nitroso-di-n-propylamine	ND		ug/L	6000	480	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:32	DHF	A
N-Nitrosodiphenylamine	ND		ug/L	6000	360	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:32	DHF	A
Pentachlorophenol	ND		ug/L	12000	2140	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:32	DHF	A
Phenanthrene	ND		ug/L	3000	260	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:32	DHF	A
Phenol	ND		ug/L	16000	460	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:32	DHF	A
Pyrene	ND		ug/L	3000	320	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:32	DHF	A
1,2,4,5-Tetrachlorobenzene	ND		ug/L	6000	380	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:32	DHF	A
2,3,4,6-Tetrachlorophenol	ND		ug/L	6000	960	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:32	DHF	A
2,4,5-Trichlorophenol	ND		ug/L	6000	1100	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:32	DHF	A
2,4,6-Trichlorophenol	ND		ug/L	6000	1140	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:32	DHF	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>		<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>
2,4,6-Tribromophenol (S)	0	3	%	47 - 128		SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:32	DHF	A
2-Fluorobiphenyl (S)	82.3		%	52 - 118		SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:32	DHF	A
2-Fluorophenol (S)	51.1		%	20 - 87		SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:32	DHF	A
Nitrobenzene-d5 (S)	94.8		%	27 - 139		SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:32	DHF	A
Phenol-d5 (S)	0	2	%	10 - 81		SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:32	DHF	A
Terphenyl-d14 (S)	89.2		%	46 - 133		SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:32	DHF	A

*Susan J. Scherer*  
Ms. Susan J Scherer  
Project Coordinator

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## ANALYTICAL RESULTS

Workorder: 2241218 WEN010|2017-EP-S2-14-01 RFP NO

Lab ID: **2241218014** Date Collected: 6/21/2017 16:40 Matrix: Liquid Waste  
Sample ID: **P001-LW-047** Date Received: 6/23/2017 19:50

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
<b>VOLATILE ORGANICS</b>										
Acetone	2670J	J	ug/L	5000	1550	SW846 8260B		6/29/17 19:16	TMP	A
Benzene	ND		ug/L	500	115	SW846 8260B		6/29/17 19:16	TMP	A
Bromochloromethane	ND		ug/L	500	160	SW846 8260B		6/29/17 19:16	TMP	A
Bromodichloromethane	ND		ug/L	500	135	SW846 8260B		6/29/17 19:16	TMP	A
Bromoform	ND		ug/L	500	200	SW846 8260B		6/29/17 19:16	TMP	A
Bromomethane	ND		ug/L	500	195	SW846 8260B		6/29/17 19:16	TMP	A
2-Butanone	ND		ug/L	5000	900	SW846 8260B		6/29/17 19:16	TMP	A
Carbon Disulfide	ND		ug/L	500	115	SW846 8260B		6/29/17 19:16	TMP	A
Carbon Tetrachloride	ND		ug/L	500	155	SW846 8260B		6/29/17 19:16	TMP	A
Chlorobenzene	ND		ug/L	500	95.0	SW846 8260B		6/29/17 19:16	TMP	A
Chlorodibromomethane	ND		ug/L	500	225	SW846 8260B		6/29/17 19:16	TMP	A
Chloroethane	ND		ug/L	500	165	SW846 8260B		6/29/17 19:16	TMP	A
Chloroform	ND		ug/L	500	105	SW846 8260B		6/29/17 19:16	TMP	A
Chloromethane	ND		ug/L	500	155	SW846 8260B		6/29/17 19:16	TMP	A
Cyclohexane	ND		ug/L	500	145	SW846 8260B		6/29/17 19:16	TMP	A
1,2-Dibromo-3-chloropropane	ND		ug/L	3500	750	SW846 8260B		6/29/17 19:16	TMP	A
1,2-Dibromoethane	ND		ug/L	500	140	SW846 8260B		6/29/17 19:16	TMP	A
1,2-Dichlorobenzene	ND		ug/L	500	190	SW846 8260B		6/29/17 19:16	TMP	A
1,3-Dichlorobenzene	ND		ug/L	500	125	SW846 8260B		6/29/17 19:16	TMP	A
1,4-Dichlorobenzene	ND		ug/L	500	135	SW846 8260B		6/29/17 19:16	TMP	A
Dichlorodifluoromethane	ND		ug/L	500	165	SW846 8260B		6/29/17 19:16	TMP	A
1,1-Dichloroethane	ND		ug/L	500	140	SW846 8260B		6/29/17 19:16	TMP	A
1,2-Dichloroethane	ND		ug/L	500	160	SW846 8260B		6/29/17 19:16	TMP	A
1,1-Dichloroethene	ND		ug/L	500	145	SW846 8260B		6/29/17 19:16	TMP	A
cis-1,2-Dichloroethene	ND		ug/L	500	160	SW846 8260B		6/29/17 19:16	TMP	A
trans-1,2-Dichloroethene	ND		ug/L	500	130	SW846 8260B		6/29/17 19:16	TMP	A
1,2-Dichloropropane	ND		ug/L	500	120	SW846 8260B		6/29/17 19:16	TMP	A
cis-1,3-Dichloropropene	ND		ug/L	500	155	SW846 8260B		6/29/17 19:16	TMP	A
trans-1,3-Dichloropropene	ND		ug/L	500	145	SW846 8260B		6/29/17 19:16	TMP	A
1,4-Dioxane	ND		ug/L	160000	29500	SW846 8260B		6/29/17 19:16	TMP	A
Ethylbenzene	ND		ug/L	500	170	SW846 8260B		6/29/17 19:16	TMP	A
Freon 113	ND		ug/L	500	130	SW846 8260B		6/29/17 19:16	TMP	A
2-Hexanone	ND		ug/L	2500	650	SW846 8260B		6/29/17 19:16	TMP	A
Isopropylbenzene	ND		ug/L	500	110	SW846 8260B		6/29/17 19:16	TMP	A
Methyl acetate	ND		ug/L	1000	160	SW846 8260B		6/29/17 19:16	TMP	A
Methyl cyclohexane	ND		ug/L	500	150	SW846 8260B		6/29/17 19:16	TMP	A

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Sample ID: **P001-LW-047** Date Received: 6/23/2017 19:50

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr	
Methyl t-Butyl Ether	ND		ug/L	500	165	SW846 8260B		6/29/17 19:16	TMP	A	
4-Methyl-2-Pentanone(MIBK)	ND		ug/L	2500	750	SW846 8260B		6/29/17 19:16	TMP	A	
Methylene Chloride	ND		ug/L	500	225	SW846 8260B		6/29/17 19:16	TMP	A	
Styrene	ND		ug/L	500	120	SW846 8260B		6/29/17 19:16	TMP	A	
1,1,2,2-Tetrachloroethane	ND		ug/L	500	170	SW846 8260B		6/29/17 19:16	TMP	A	
Tetrachloroethene	ND		ug/L	500	175	SW846 8260B		6/29/17 19:16	TMP	A	
Toluene	ND		ug/L	500	115	SW846 8260B		6/29/17 19:16	TMP	A	
Total Xylenes	ND		ug/L	1500	330	SW846 8260B		6/29/17 19:16	TMP	A	
1,2,3-Trichlorobenzene	ND		ug/L	1000	465	SW846 8260B		6/29/17 19:16	TMP	A	
1,2,4-Trichlorobenzene	ND		ug/L	1000	410	SW846 8260B		6/29/17 19:16	TMP	A	
1,1,1-Trichloroethane	ND		ug/L	500	110	SW846 8260B		6/29/17 19:16	TMP	A	
1,1,2-Trichloroethane	ND		ug/L	500	165	SW846 8260B		6/29/17 19:16	TMP	A	
Trichloroethene	ND		ug/L	500	165	SW846 8260B		6/29/17 19:16	TMP	A	
Trichlorofluoromethane	ND		ug/L	500	120	SW846 8260B		6/29/17 19:16	TMP	A	
Vinyl Chloride	ND		ug/L	500	150	SW846 8260B		6/29/17 19:16	TMP	A	
o-Xylene	ND		ug/L	500	165	SW846 8260B		6/29/17 19:16	TMP	A	
mp-Xylene	ND		ug/L	1000	260	SW846 8260B		6/29/17 19:16	TMP	A	
Surrogate Recoveries	Results	Flag	Units	Limits		Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichloroethane-d4 (S)	105		%	62 - 133		SW846 8260B		6/29/17 19:16	TMP	A	
4-Bromofluorobenzene (S)	89.9		%	79 - 114		SW846 8260B		6/29/17 19:16	TMP	A	
Dibromofluoromethane (S)	67.1	1	%	78 - 116		SW846 8260B		6/29/17 19:16	TMP	A	
Toluene-d8 (S)	98.3		%	76 - 127		SW846 8260B		6/29/17 19:16	TMP	A	
SEMIVOLATILES											
Acenaphthene	ND		ug/L	3000	300	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:06	DHF	A	
Acenaphthylene	ND		ug/L	3000	380	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:06	DHF	A	
Acetophenone	ND		ug/L	6000	480	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:06	DHF	A	
Anthracene	ND		ug/L	3000	300	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:06	DHF	A	
Atrazine	ND		ug/L	6000	480	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:06	DHF	A	
Benzaldehyde	ND		ug/L	6000	520	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:06	DHF	A	
Benzo(a)anthracene	ND		ug/L	3000	260	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:06	DHF	A	
Benzo(a)pyrene	ND		ug/L	3000	440	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:06	DHF	A	
Benzo(b)fluoranthene	ND		ug/L	3000	220	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:06	DHF	A	
Benzo(g,h,i)perylene	ND		ug/L	3000	440	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:06	DHF	A	
Benzo(k)fluoranthene	ND		ug/L	3000	380	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:06	DHF	A	
Biphenyl	ND		ug/L	6000	340	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:06	DHF	A	
4-Bromophenyl-phenylether	ND		ug/L	6000	340	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:06	DHF	A	
Butylbenzylphthalate	ND		ug/L	6000	220	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:06	DHF	A	

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## ANALYTICAL RESULTS

Workorder: 2241218 WEN010|2017-EP-S2-14-01 RFP NO

Lab ID: **2241218014** Date Collected: 6/21/2017 16:40 Matrix: Liquid Waste  
Sample ID: **P001-LW-047** Date Received: 6/23/2017 19:50

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
Caprolactam	ND		ug/L	6000	560	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:06	DHF	A
Carbazole	ND		ug/L	6000	240	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:06	DHF	A
4-Chloro-3-methylphenol	ND		ug/L	6000	380	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:06	DHF	A
4-Chloroaniline	ND		ug/L	6000	420	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:06	DHF	A
bis(2-Chloroethoxy)methane	ND		ug/L	6000	420	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:06	DHF	A
bis(2-Chloroethyl)ether	ND		ug/L	6000	340	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:06	DHF	A
bis(2-Chloroisopropyl)ether	ND		ug/L	6000	560	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:06	DHF	A
2-Chloronaphthalene	ND		ug/L	6000	360	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:06	DHF	A
2-Chlorophenol	ND		ug/L	6000	660	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:06	DHF	A
4-Chlorophenyl-phenylether	ND		ug/L	6000	280	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:06	DHF	A
Chrysene	ND		ug/L	3000	240	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:06	DHF	A
mp-Cresol	ND		ug/L	6000	300	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:06	DHF	A
o-Cresol	ND		ug/L	6000	500	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:06	DHF	A
Di-n-Butylphthalate	ND		ug/L	6000	280	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:06	DHF	A
Di-n-Octylphthalate	ND		ug/L	6000	200	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:06	DHF	A
Dibenzo(a,h)anthracene	ND		ug/L	3000	420	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:06	DHF	A
Dibenzofuran	ND		ug/L	6000	220	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:06	DHF	A
3,3-Dichlorobenzidine	ND		ug/L	6000	960	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:06	DHF	A
2,4-Dichlorophenol	ND		ug/L	6000	640	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:06	DHF	A
Diethylphthalate	ND		ug/L	6000	360	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:06	DHF	A
2,4-Dimethylphenol	ND		ug/L	6000	420	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:06	DHF	A
Dimethylphthalate	ND		ug/L	6000	280	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:06	DHF	A
2,4-Dinitrophenol	ND		ug/L	12000	3620	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:06	DHF	A
2,4-Dinitrotoluene	ND		ug/L	6000	240	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:06	DHF	A
2,6-Dinitrotoluene	ND		ug/L	6000	420	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:06	DHF	A
1,4-Dioxane	ND		ug/L	6000	1380	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:06	DHF	A
bis(2-Ethylhexyl)phthalate	ND		ug/L	6000	440	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:06	DHF	A
Fluoranthene	ND		ug/L	3000	340	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:06	DHF	A
Fluorene	ND		ug/L	3000	400	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:06	DHF	A
Hexachlorobenzene	ND		ug/L	6000	460	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:06	DHF	A
Hexachlorobutadiene	ND		ug/L	6000	380	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:06	DHF	A
Hexachlorocyclopentadiene	ND		ug/L	6000	340	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:06	DHF	A
Hexachloroethane	ND		ug/L	6000	600	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:06	DHF	A
Indeno(1,2,3-cd)pyrene	ND		ug/L	3000	200	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:06	DHF	A
Isophorone	ND		ug/L	6000	300	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:06	DHF	A
2-Methyl-4,6-dinitrophenol	ND		ug/L	12000	660	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:06	DHF	A
2-Methylnaphthalene	ND		ug/L	3000	320	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:06	DHF	A
Naphthalene	ND		ug/L	3000	240	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:06	DHF	A

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## ANALYTICAL RESULTS

Workorder: 2241218 WEN010|2017-EP-S2-14-01 RFP NO

Lab ID:	<b>2241218014</b>	Date Collected:	6/21/2017 16:40	Matrix:	Liquid Waste
Sample ID:	<b>P001-LW-047</b>	Date Received:	6/23/2017 19:50		

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
2-Nitroaniline	ND		ug/L	6000	400	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:06	DHF	A
3-Nitroaniline	ND		ug/L	6000	360	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:06	DHF	A
4-Nitroaniline	ND		ug/L	6000	820	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:06	DHF	A
Nitrobenzene	ND		ug/L	6000	560	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:06	DHF	A
2-Nitrophenol	ND		ug/L	6000	900	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:06	DHF	A
4-Nitrophenol	ND		ug/L	6000	2100	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:06	DHF	A
N-Nitroso-di-n-propylamine	ND		ug/L	6000	480	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:06	DHF	A
N-Nitrosodiphenylamine	ND		ug/L	6000	360	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:06	DHF	A
Pentachlorophenol	ND		ug/L	12000	2140	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:06	DHF	A
Phenanthrene	ND		ug/L	3000	260	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:06	DHF	A
Phenol	ND		ug/L	16000	460	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:06	DHF	A
Pyrene	ND		ug/L	3000	320	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:06	DHF	A
1,2,4,5-Tetrachlorobenzene	ND		ug/L	6000	380	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:06	DHF	A
2,3,4,6-Tetrachlorophenol	ND		ug/L	6000	960	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:06	DHF	A
2,4,5-Trichlorophenol	ND		ug/L	6000	1100	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:06	DHF	A
2,4,6-Trichlorophenol	ND		ug/L	6000	1140	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:06	DHF	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>		<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>
2,4,6-Tribromophenol (S)	56.7		%	47 - 128		SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:06	DHF	A
2-Fluorobiphenyl (S)	77.5		%	52 - 118		SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:06	DHF	A
2-Fluorophenol (S)	20.8		%	20 - 87		SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:06	DHF	A
Nitrobenzene-d5 (S)	87.2		%	27 - 139		SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:06	DHF	A
Phenol-d5 (S)	115	2	%	10 - 81		SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:06	DHF	A
Terphenyl-d14 (S)	86.4		%	46 - 133		SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:06	DHF	A

Ms. Susan J Scherer  
Project Coordinator

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## ANALYTICAL RESULTS

Workorder: 2241218 WEN010|2017-EP-S2-14-01 RFP NO

Lab ID:	<b>2241218015</b>	Date Collected:	6/21/2017 15:30	Matrix:	Liquid Waste
Sample ID:	<b>P001-LW-049</b>	Date Received:	6/23/2017 19:50		

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
Total Polychlorinated Biphenyl	ND		ug/L	20.0	20.0	SW846 8082A	6/27/17 08:25 CAC	6/29/17 17:52	EGO	A
<b>VOLATILE ORGANICS</b>										
Acetone	ND		ug/L	5000	1550	SW846 8260B		6/29/17 17:49	TMP	A
Benzene	ND		ug/L	500	115	SW846 8260B		6/29/17 17:49	TMP	A
Bromochloromethane	ND		ug/L	500	160	SW846 8260B		6/29/17 17:49	TMP	A
Bromodichloromethane	ND		ug/L	500	135	SW846 8260B		6/29/17 17:49	TMP	A
Bromoform	ND		ug/L	500	200	SW846 8260B		6/29/17 17:49	TMP	A
Bromomethane	282J	J	ug/L	500	195	SW846 8260B		6/29/17 17:49	TMP	A
2-Butanone	ND		ug/L	5000	900	SW846 8260B		6/29/17 17:49	TMP	A
Carbon Disulfide	ND		ug/L	500	115	SW846 8260B		6/29/17 17:49	TMP	A
Carbon Tetrachloride	ND		ug/L	500	155	SW846 8260B		6/29/17 17:49	TMP	A
Chlorobenzene	ND		ug/L	500	95.0	SW846 8260B		6/29/17 17:49	TMP	A
Chlorodibromomethane	ND		ug/L	500	225	SW846 8260B		6/29/17 17:49	TMP	A
Chloroethane	ND		ug/L	500	165	SW846 8260B		6/29/17 17:49	TMP	A
Chloroform	ND		ug/L	500	105	SW846 8260B		6/29/17 17:49	TMP	A
Chloromethane	ND		ug/L	500	155	SW846 8260B		6/29/17 17:49	TMP	A
Cyclohexane	ND		ug/L	500	145	SW846 8260B		6/29/17 17:49	TMP	A
1,2-Dibromo-3-chloropropane	ND		ug/L	3500	750	SW846 8260B		6/29/17 17:49	TMP	A
1,2-Dibromoethane	ND		ug/L	500	140	SW846 8260B		6/29/17 17:49	TMP	A
1,2-Dichlorobenzene	ND		ug/L	500	190	SW846 8260B		6/29/17 17:49	TMP	A
1,3-Dichlorobenzene	ND		ug/L	500	125	SW846 8260B		6/29/17 17:49	TMP	A
1,4-Dichlorobenzene	ND		ug/L	500	135	SW846 8260B		6/29/17 17:49	TMP	A
Dichlorodifluoromethane	ND		ug/L	500	165	SW846 8260B		6/29/17 17:49	TMP	A
1,1-Dichloroethane	ND		ug/L	500	140	SW846 8260B		6/29/17 17:49	TMP	A
1,2-Dichloroethane	ND		ug/L	500	160	SW846 8260B		6/29/17 17:49	TMP	A
1,1-Dichloroethene	ND		ug/L	500	145	SW846 8260B		6/29/17 17:49	TMP	A
cis-1,2-Dichloroethene	ND		ug/L	500	160	SW846 8260B		6/29/17 17:49	TMP	A
trans-1,2-Dichloroethene	ND		ug/L	500	130	SW846 8260B		6/29/17 17:49	TMP	A
1,2-Dichloropropane	ND		ug/L	500	120	SW846 8260B		6/29/17 17:49	TMP	A
cis-1,3-Dichloropropene	ND		ug/L	500	155	SW846 8260B		6/29/17 17:49	TMP	A
trans-1,3-Dichloropropene	ND		ug/L	500	145	SW846 8260B		6/29/17 17:49	TMP	A
1,4-Dioxane	ND		ug/L	160000	29500	SW846 8260B		6/29/17 17:49	TMP	A
Ethylbenzene	ND		ug/L	500	170	SW846 8260B		6/29/17 17:49	TMP	A
Freon 113	ND		ug/L	500	130	SW846 8260B		6/29/17 17:49	TMP	A
2-Hexanone	ND		ug/L	2500	650	SW846 8260B		6/29/17 17:49	TMP	A

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Workorder: 2241218 WEN010|2017-EP-S2-14-01 RFP NO

Lab ID: **2241218015** Date Collected: 6/21/2017 15:30 Matrix: Liquid Waste  
Sample ID: **P001-LW-049** Date Received: 6/23/2017 19:50

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr	
Isopropylbenzene	ND		ug/L	500	110	SW846 8260B		6/29/17 17:49	TMP	A	
Methyl acetate	ND		ug/L	1000	160	SW846 8260B		6/29/17 17:49	TMP	A	
Methyl cyclohexane	ND		ug/L	500	150	SW846 8260B		6/29/17 17:49	TMP	A	
Methyl t-Butyl Ether	ND		ug/L	500	165	SW846 8260B		6/29/17 17:49	TMP	A	
4-Methyl-2-Pentanone(MIBK)	ND		ug/L	2500	750	SW846 8260B		6/29/17 17:49	TMP	A	
Methylene Chloride	ND		ug/L	500	225	SW846 8260B		6/29/17 17:49	TMP	A	
Styrene	ND		ug/L	500	120	SW846 8260B		6/29/17 17:49	TMP	A	
1,1,2,2-Tetrachloroethane	ND		ug/L	500	170	SW846 8260B		6/29/17 17:49	TMP	A	
Tetrachloroethene	ND		ug/L	500	175	SW846 8260B		6/29/17 17:49	TMP	A	
Toluene	ND		ug/L	500	115	SW846 8260B		6/29/17 17:49	TMP	A	
Total Xylenes	ND		ug/L	1500	330	SW846 8260B		6/29/17 17:49	TMP	A	
1,2,3-Trichlorobenzene	ND		ug/L	1000	465	SW846 8260B		6/29/17 17:49	TMP	A	
1,2,4-Trichlorobenzene	ND		ug/L	1000	410	SW846 8260B		6/29/17 17:49	TMP	A	
1,1,1-Trichloroethane	ND		ug/L	500	110	SW846 8260B		6/29/17 17:49	TMP	A	
1,1,2-Trichloroethane	ND		ug/L	500	165	SW846 8260B		6/29/17 17:49	TMP	A	
Trichloroethene	ND		ug/L	500	165	SW846 8260B		6/29/17 17:49	TMP	A	
Trichlorofluoromethane	ND		ug/L	500	120	SW846 8260B		6/29/17 17:49	TMP	A	
Vinyl Chloride	ND		ug/L	500	150	SW846 8260B		6/29/17 17:49	TMP	A	
o-Xylene	ND		ug/L	500	165	SW846 8260B		6/29/17 17:49	TMP	A	
mp-Xylene	ND		ug/L	1000	260	SW846 8260B		6/29/17 17:49	TMP	A	
Surrogate Recoveries	Results	Flag	Units	Limits		Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichloroethane-d4 (S)	105		%	62 - 133		SW846 8260B		6/29/17 17:49	TMP	A	
4-Bromofluorobenzene (S)	94.4		%	79 - 114		SW846 8260B		6/29/17 17:49	TMP	A	
Dibromofluoromethane (S)	67.3	1	%	78 - 116		SW846 8260B		6/29/17 17:49	TMP	A	
Toluene-d8 (S)	98.4		%	76 - 127		SW846 8260B		6/29/17 17:49	TMP	A	
SEMIVOLATILES						Method	Prepared	By	Analyzed	By	Cntr
Acenaphthene	ND		ug/L	60.0	6.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:20	CGS	A	
Acenaphthylene	ND		ug/L	60.0	7.6	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:20	CGS	A	
Acetophenone	ND		ug/L	120	9.6	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:20	CGS	A	
Anthracene	ND		ug/L	60.0	6.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:20	CGS	A	
Atrazine	ND		ug/L	120	9.6	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:20	CGS	A	
Benzaldehyde	ND		ug/L	120	10.4	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:20	CGS	A	
Benzo(a)anthracene	ND		ug/L	60.0	5.2	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:20	CGS	A	
Benzo(a)pyrene	ND		ug/L	60.0	8.8	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:20	CGS	A	
Benzo(b)fluoranthene	ND		ug/L	60.0	4.4	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:20	CGS	A	
Benzo(g,h,i)perylene	ND		ug/L	60.0	8.8	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:20	CGS	A	
Benzo(k)fluoranthene	ND		ug/L	60.0	7.6	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:20	CGS	A	

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## ANALYTICAL RESULTS

Workorder: 2241218 WEN010|2017-EP-S2-14-01 RFP NO

Lab ID: **2241218015** Date Collected: 6/21/2017 15:30 Matrix: Liquid Waste  
Sample ID: **P001-LW-049** Date Received: 6/23/2017 19:50

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
Biphenyl	ND		ug/L	120	6.8	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:20	CGS	A
4-Bromophenyl-phenylether	ND		ug/L	120	6.8	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:20	CGS	A
Butylbenzylphthalate	7.5J	J	ug/L	120	4.4	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:20	CGS	A
Caprolactam	ND		ug/L	120	11.2	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:20	CGS	A
Carbazole	ND		ug/L	120	4.8	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:20	CGS	A
4-Chloro-3-methylphenol	ND		ug/L	120	7.6	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:20	CGS	A
4-Chloroaniline	ND		ug/L	120	8.4	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:20	CGS	A
bis(2-Chloroethoxy)methane	ND		ug/L	120	8.4	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:20	CGS	A
bis(2-Chloroethyl)ether	ND		ug/L	120	6.8	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:20	CGS	A
bis(2-Chloroisopropyl)ether	ND		ug/L	120	11.2	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:20	CGS	A
2-Chloronaphthalene	ND		ug/L	120	7.2	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:20	CGS	A
2-Chlorophenol	ND		ug/L	120	13.2	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:20	CGS	A
4-Chlorophenyl-phenylether	ND		ug/L	120	5.6	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:20	CGS	A
Chrysene	ND		ug/L	60.0	4.8	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:20	CGS	A
mp-Cresol	ND		ug/L	120	6.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:20	CGS	A
o-Cresol	ND		ug/L	120	10.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:20	CGS	A
Di-n-Butylphthalate	ND		ug/L	120	5.6	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:20	CGS	A
Di-n-Octylphthalate	ND		ug/L	120	4.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:20	CGS	A
Dibenzo(a,h)anthracene	ND		ug/L	60.0	8.4	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:20	CGS	A
Dibenzofuran	ND		ug/L	120	4.4	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:20	CGS	A
3,3-Dichlorobenzidine	ND		ug/L	120	19.2	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:20	CGS	A
2,4-Dichlorophenol	ND		ug/L	120	12.8	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:20	CGS	A
Diethylphthalate	ND		ug/L	120	7.2	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:20	CGS	A
2,4-Dimethylphenol	ND		ug/L	120	8.4	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:20	CGS	A
Dimethylphthalate	ND		ug/L	120	5.6	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:20	CGS	A
2,4-Dinitrophenol	ND		ug/L	240	72.4	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:20	CGS	A
2,4-Dinitrotoluene	ND		ug/L	120	4.8	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:20	CGS	A
2,6-Dinitrotoluene	ND		ug/L	120	8.4	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:20	CGS	A
1,4-Dioxane	ND		ug/L	120	27.6	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:20	CGS	A
bis(2-Ethylhexyl)phthalate	ND		ug/L	120	8.8	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:20	CGS	A
Fluoranthene	ND		ug/L	60.0	6.8	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:20	CGS	A
Fluorene	ND		ug/L	60.0	8.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:20	CGS	A
Hexachlorobenzene	ND		ug/L	120	9.2	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:20	CGS	A
Hexachlorobutadiene	ND		ug/L	120	7.6	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:20	CGS	A
Hexachlorocyclopentadiene	ND		ug/L	120	6.8	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:20	CGS	A
Hexachloroethane	ND		ug/L	120	12.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:20	CGS	A
Indeno(1,2,3-cd)pyrene	ND		ug/L	60.0	4.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:20	CGS	A
Isophorone	ND		ug/L	120	6.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:20	CGS	A

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## ANALYTICAL RESULTS

Workorder: 2241218 WEN010|2017-EP-S2-14-01 RFP NO

Lab ID: **2241218015** Date Collected: 6/21/2017 15:30 Matrix: Liquid Waste  
Sample ID: **P001-LW-049** Date Received: 6/23/2017 19:50

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
2-Methyl-4,6-dinitrophenol	ND		ug/L	240	13.2	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:20	CGS	A
2-Methylnaphthalene	ND		ug/L	60.0	6.4	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:20	CGS	A
Naphthalene	ND		ug/L	60.0	4.8	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:20	CGS	A
2-Nitroaniline	ND		ug/L	120	8.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:20	CGS	A
3-Nitroaniline	ND		ug/L	120	7.2	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:20	CGS	A
4-Nitroaniline	ND		ug/L	120	16.4	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:20	CGS	A
Nitrobenzene	ND		ug/L	120	11.2	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:20	CGS	A
2-Nitrophenol	ND		ug/L	120	18.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:20	CGS	A
4-Nitrophenol	ND		ug/L	120	42.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:20	CGS	A
N-Nitroso-di-n-propylamine	ND		ug/L	120	9.6	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:20	CGS	A
N-Nitrosodiphenylamine	ND		ug/L	120	7.2	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:20	CGS	A
Pentachlorophenol	ND		ug/L	240	42.8	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:20	CGS	A
Phenanthrene	ND		ug/L	60.0	5.2	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:20	CGS	A
Phenol	ND		ug/L	320	9.2	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:20	CGS	A
Pyrene	ND		ug/L	60.0	6.4	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:20	CGS	A
1,2,4,5-Tetrachlorobenzene	ND		ug/L	120	7.6	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:20	CGS	A
2,3,4,6-Tetrachlorophenol	ND		ug/L	120	19.2	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:20	CGS	A
2,4,5-Trichlorophenol	ND		ug/L	120	22.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:20	CGS	A
2,4,6-Trichlorophenol	ND		ug/L	120	22.8	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:20	CGS	A
<b>Surrogate Recoveries</b>	<b>Results</b>	<b>Flag</b>	<b>Units</b>	<b>Limits</b>		<b>Method</b>	<b>Prepared</b>	<b>By</b>	<b>Analyzed</b>	<b>By</b>
2,4,6-Tribromophenol (S)	98.5		%	47 - 128		SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:20	CGS	A
2-Fluorobiphenyl (S)	80.7		%	52 - 118		SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:20	CGS	A
2-Fluorophenol (S)	58.6		%	20 - 87		SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:20	CGS	A
Nitrobenzene-d5 (S)	94.3		%	27 - 139		SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:20	CGS	A
Phenol-d5 (S)	39.6		%	10 - 81		SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:20	CGS	A
Terphenyl-d14 (S)	87.6		%	46 - 133		SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:20	CGS	A
<b>PCBs</b>										
Aroclor-1016	ND		ug/L	20.0	2.4	SW846 8082A	6/27/17 08:25 CAC	6/29/17 17:52	EGO	A
Aroclor-1221	ND		ug/L	20.0	2.8	SW846 8082A	6/27/17 08:25 CAC	6/29/17 17:52	EGO	A
Aroclor-1232	ND		ug/L	20.0	7.6	SW846 8082A	6/27/17 08:25 CAC	6/29/17 17:52	EGO	A
Aroclor-1242	ND		ug/L	20.0	9.6	SW846 8082A	6/27/17 08:25 CAC	6/29/17 17:52	EGO	A
Aroclor-1248	ND		ug/L	20.0	5.6	SW846 8082A	6/27/17 08:25 CAC	6/29/17 17:52	EGO	A
Aroclor-1254	ND		ug/L	20.0	4.0	SW846 8082A	6/27/17 08:25 CAC	6/29/17 17:52	EGO	A
Aroclor-1260	ND		ug/L	20.0	2.8	SW846 8082A	6/27/17 08:25 CAC	6/29/17 17:52	EGO	A
Aroclor-1262	ND		ug/L	20.0	4.0	SW846 8082A	6/27/17 08:25 CAC	6/29/17 17:52	EGO	A
Aroclor-1268	ND		ug/L	20.0	6.8	SW846 8082A	6/27/17 08:25 CAC	6/29/17 17:52	EGO	A
<b>Surrogate Recoveries</b>	<b>Results</b>	<b>Flag</b>	<b>Units</b>	<b>Limits</b>		<b>Method</b>	<b>Prepared</b>	<b>By</b>	<b>Analyzed</b>	<b>By</b>

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## ANALYTICAL RESULTS

Workorder: 2241218 WEN010|2017-EP-S2-14-01 RFP NO

Lab ID:	<b>2241218015</b>	Date Collected:	6/21/2017 15:30	Matrix:	Liquid Waste
Sample ID:	<b>P001-LW-049</b>	Date Received:	6/23/2017 19:50		

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
Decachlorobiphenyls (S)	83.1		%	30 - 140		SW846 8082A	6/27/17 08:25 CAC	6/29/17 17:52	EGO	A
Tetrachloro-m-xylene (S)	69.7		%	30 - 133		SW846 8082A	6/27/17 08:25 CAC	6/29/17 17:52	EGO	A
<b>PESTICIDES</b>										
Aldrin	ND		ug/L	0.80	0.20	SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:19	RWS	A
alpha-BHC	ND		ug/L	0.80	0.080	SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:19	RWS	A
beta-BHC	ND		ug/L	0.80	0.32	SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:19	RWS	A
delta-BHC	ND		ug/L	0.80	0.12	SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:19	RWS	A
gamma-BHC	ND		ug/L	0.80	0.12	SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:19	RWS	A
alpha-Chlordane	ND		ug/L	0.80	0.12	SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:19	RWS	A
gamma-Chlordane	ND		ug/L	0.80	0.12	SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:19	RWS	A
4,4'-DDD	ND		ug/L	0.80	0.28	SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:19	RWS	A
4,4'-DDE	ND		ug/L	0.80	0.28	SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:19	RWS	A
4,4'-DDT	ND		ug/L	0.80	0.24	SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:19	RWS	A
Dieldrin	ND		ug/L	0.80	0.12	SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:19	RWS	A
Endosulfan I	ND		ug/L	0.80	0.12	SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:19	RWS	A
Endosulfan II	ND		ug/L	0.80	0.24	SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:19	RWS	A
Endosulfan Sulfate	ND		ug/L	0.80	0.16	SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:19	RWS	A
Endrin	ND		ug/L	0.80	0.32	SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:19	RWS	A
Endrin Aldehyde	ND		ug/L	0.80	0.40	SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:19	RWS	A
Endrin Ketone	ND		ug/L	0.80	0.16	SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:19	RWS	A
Heptachlor	ND		ug/L	0.80	0.12	SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:19	RWS	A
Heptachlor Epoxide	ND		ug/L	0.80	0.16	SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:19	RWS	A
Methoxychlor	ND		ug/L	0.80	0.36	SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:19	RWS	A
Toxaphene	ND		ug/L	40.0	7.6	SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:19	RWS	A
<i>Surrogate Recoveries</i>										
Decachlorobiphenyls (S)	66.7		%	30 - 140		SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:19	RWS	A
Tetrachloro-m-xylene (S)	53.2		%	30 - 123		SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:19	RWS	A
<b>WET CHEMISTRY</b>										
Corrosivity as pH	10.91	4	pH_Units			SW846 9040C		6/30/17 04:20	MSA	A
Cyanide, Reactive	ND		ppm	10	0.011	SW-846 7.3CN	6/28/17 17:00 AHI	6/29/17 14:01	CTD	A
Cyanide, Total	0.030J	J	mg/L	0.050	0.022	SW846 9012B	6/27/17 11:13 CTD	6/27/17 15:43	CTD	A
Flashpoint/Ignitability	See comment	2,3	Deg. F			SW-846 1010A		6/29/17 06:00	SDL	A
Sulfide, Reactive	ND		ppm	6.2	1.2	SW846 7.3	6/28/17 17:00 AHI	6/30/17 11:15	AHI	A
<b>METALS</b>										
Aluminum, Total	2.4J	J	mg/L	5.0	1.6	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:28	SRT	A3
Antimony, Total	ND		mg/L	0.99	0.45	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:28	SRT	A3

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## ANALYTICAL RESULTS

Workorder: 2241218 WEN010|2017-EP-S2-14-01 RFP NO

Lab ID:	<b>2241218015</b>	Date Collected:	6/21/2017 15:30	Matrix:	Liquid Waste
Sample ID:	<b>P001-LW-049</b>	Date Received:	6/23/2017 19:50		

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
Arsenic, Total	ND		mg/L	0.41	0.14	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:28	SRT	A3
Barium, Total	0.17J	J	mg/L	0.50	0.16	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:28	SRT	A3
Beryllium, Total	ND		mg/L	0.20	0.063	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:28	SRT	A3
Cadmium, Total	ND		mg/L	0.099	0.033	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:28	SRT	A3
Calcium, Total	49.1		mg/L	5.0	1.6	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:28	SRT	A3
Chromium, Total	ND		mg/L	0.25	0.090	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:28	SRT	A3
Cobalt, Total	ND		mg/L	0.25	0.090	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:28	SRT	A3
Copper, Total	ND		mg/L	0.50	0.16	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:28	SRT	A3
Iron, Total	6.3		mg/L	3.0	0.99	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:28	SRT	A3
Lead, Total	0.69		mg/L	0.30	0.099	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:28	SRT	A3
Magnesium, Total	22.3		mg/L	5.0	1.6	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:28	SRT	A3
Manganese, Total	ND		mg/L	0.25	0.090	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:28	SRT	A3
Mercury, Total	ND		mg/L	0.013	0.0042	SW846 7470A	6/28/17 00:25 AXC	6/28/17 04:21	AXC	A2
Nickel, Total	ND		mg/L	0.99	0.33	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:28	SRT	A3
Potassium, Total	46.2		mg/L	25.0	8.1	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:28	SRT	A3
Selenium, Total	ND		mg/L	0.99	0.33	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:28	SRT	A3
Silver, Total	ND		mg/L	0.20	0.063	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:28	SRT	A3
Sodium, Total	8540		mg/L	25.0	8.1	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:28	SRT	A3
Thallium, Total	ND		mg/L	0.99	0.33	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:28	SRT	A3
Vanadium, Total	ND		mg/L	0.25	0.090	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:28	SRT	A3
Zinc, Total	4.7		mg/L	0.99	0.33	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:28	SRT	A3

Ms. Susan J Scherer

Project Coordinator

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## ANALYTICAL RESULTS

Workorder: 2241218 WEN010|2017-EP-S2-14-01 RFP NO

Lab ID:	<b>2241218016</b>	Date Collected:	6/21/2017 15:48	Matrix:	Liquid Waste
Sample ID:	<b>P001-LW-055</b>	Date Received:	6/23/2017 19:50		

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
<b>WET CHEMISTRY</b>										
Corrosivity as pH	9.12	3	pH_Units			SW846 9040C			6/27/17 11:39	MBW A
Cyanide, Reactive	0.020J	J	ppm	10.0	0.011	SW-846 7.3CN	6/28/17 17:00	AHI	6/29/17 14:01	CTD A
Cyanide, Total	ND		mg/L	0.050	0.022	SW846 9012B	6/27/17 11:13	CTD	6/27/17 15:43	CTD A
Flashpoint/Ignitability	See comment	1,2	Deg. F			SW-846 1010A			6/29/17 06:00	SDL A
Sulfide, Reactive	12.4		ppm	6.3	1.3	SW846 7.3	6/28/17 17:00	AHI	6/30/17 11:15	AHI A
Mercury, Total	ND		mg/L	0.13	0.042	SW846 7470A	6/28/17 00:25	AJC	6/28/17 04:24	AJC A2
Aluminum, Total	4.3J	J	mg/L	5.0	1.6	SW846 6010C	6/28/17 03:50	LXC	6/30/17 09:18	SRT A3
Sodium, Total	ND		mg/L	25.0	8.1	SW846 6010C	6/28/17 03:50	LXC	6/30/17 09:18	SRT A3
Antimony, Total	0.67J	J	mg/L	0.99	0.45	SW846 6010C	6/28/17 03:50	LXC	6/30/17 09:18	SRT A3
Potassium, Total	ND		mg/L	25.0	8.1	SW846 6010C	6/28/17 03:50	LXC	6/30/17 09:18	SRT A3
Arsenic, Total	2.8		mg/L	0.41	0.14	SW846 6010C	6/28/17 03:50	LXC	6/30/17 09:18	SRT A3
Barium, Total	ND		mg/L	0.50	0.16	SW846 6010C	6/28/17 03:50	LXC	6/30/17 09:18	SRT A3
Beryllium, Total	ND		mg/L	0.20	0.063	SW846 6010C	6/28/17 03:50	LXC	6/30/17 09:18	SRT A3
Cadmium, Total	ND		mg/L	0.099	0.033	SW846 6010C	6/28/17 03:50	LXC	6/30/17 09:18	SRT A3
Calcium, Total	213		mg/L	5.0	1.6	SW846 6010C	6/28/17 03:50	LXC	6/30/17 09:18	SRT A3
Chromium, Total	ND		mg/L	0.25	0.090	SW846 6010C	6/28/17 03:50	LXC	6/30/17 09:18	SRT A3
Cobalt, Total	ND		mg/L	0.25	0.090	SW846 6010C	6/28/17 03:50	LXC	6/30/17 09:18	SRT A3
Copper, Total	ND		mg/L	0.50	0.16	SW846 6010C	6/28/17 03:50	LXC	6/30/17 09:18	SRT A3
Iron, Total	5.3		mg/L	3.0	0.99	SW846 6010C	6/28/17 03:50	LXC	6/30/17 09:18	SRT A3
Lead, Total	ND		mg/L	0.30	0.099	SW846 6010C	6/28/17 03:50	LXC	6/30/17 09:18	SRT A3
Magnesium, Total	ND		mg/L	5.0	1.6	SW846 6010C	6/28/17 03:50	LXC	6/30/17 09:18	SRT A3
Manganese, Total	ND		mg/L	0.25	0.090	SW846 6010C	6/28/17 03:50	LXC	6/30/17 09:18	SRT A3
Nickel, Total	ND		mg/L	0.99	0.33	SW846 6010C	6/28/17 03:50	LXC	6/30/17 09:18	SRT A3
Selenium, Total	5.8		mg/L	0.99	0.33	SW846 6010C	6/28/17 03:50	LXC	6/30/17 09:18	SRT A3
Silver, Total	ND		mg/L	0.20	0.063	SW846 6010C	6/28/17 03:50	LXC	6/30/17 09:18	SRT A3
Thallium, Total	ND		mg/L	0.99	0.33	SW846 6010C	6/28/17 03:50	LXC	6/30/17 09:18	SRT A3
Vanadium, Total	ND		mg/L	0.25	0.090	SW846 6010C	6/28/17 03:50	LXC	6/30/17 09:18	SRT A3
Zinc, Total	0.42J	J	mg/L	0.99	0.33	SW846 6010C	6/28/17 03:50	LXC	6/30/17 09:18	SRT A3

*Susan J. Scherer*  
Ms. Susan J Scherer  
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## ANALYTICAL RESULTS

Workorder: 2241218 WEN010|2017-EP-S2-14-01 RFP NO

Lab ID:	<b>2241218017</b>	Date Collected:	6/21/2017 15:25	Matrix:	Other
Sample ID:	<b>P001-LW-056</b>	Date Received:	6/23/2017 19:50		

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed By	Cntr	
<b>WET CHEMISTRY</b>										
Cyanide, Total	ND		mg/kg	0.46	0.17	SW846 9012B	6/28/17 11:16	CTD	6/28/17 15:19	CTD
<b>METALS</b>										
Aluminum, Total	ND		mg/kg	18.5	6.2	SW846 6010C	6/28/17 01:05	LXC	6/30/17 11:55	TSS E
Antimony, Total	ND		mg/kg	3.7	1.2	SW846 6010C	6/28/17 01:05	LXC	6/30/17 11:55	TSS E
Arsenic, Total	ND		mg/kg	3.7	1.2	SW846 6010C	6/28/17 01:05	LXC	6/30/17 11:55	TSS E
Barium, Total	1.6J	J	mg/kg	1.9	0.62	SW846 6010C	6/28/17 01:05	LXC	6/30/17 11:55	TSS E
Beryllium, Total	ND		mg/kg	1.9	0.62	SW846 6010C	6/28/17 01:05	LXC	6/30/17 11:55	TSS E
Cadmium, Total	ND		mg/kg	0.93	0.31	SW846 6010C	6/28/17 01:05	LXC	6/30/17 11:55	TSS E
Calcium, Total	77.3		mg/kg	18.5	6.2	SW846 6010C	6/28/17 01:05	LXC	6/30/17 11:55	TSS E
Chromium, Total	ND		mg/kg	1.9	0.62	SW846 6010C	6/28/17 01:05	LXC	6/30/17 11:55	TSS E
Cobalt, Total	ND		mg/kg	1.9	0.62	SW846 6010C	6/28/17 01:05	LXC	6/30/17 11:55	TSS E
Copper, Total	ND		mg/kg	3.7	1.2	SW846 6010C	6/28/17 01:05	LXC	6/30/17 11:55	TSS E
Iron, Total	ND		mg/kg	18.5	6.2	SW846 6010C	6/28/17 01:05	LXC	6/30/17 11:55	TSS E
Lead, Total	ND		mg/kg	3.7	1.2	SW846 6010C	6/28/17 01:05	LXC	6/30/17 11:55	TSS E
Magnesium, Total	ND		mg/kg	18.5	6.2	SW846 6010C	6/28/17 01:05	LXC	6/30/17 11:55	TSS E
Manganese, Total	ND		mg/kg	1.9	0.62	SW846 6010C	6/28/17 01:05	LXC	6/30/17 11:55	TSS E
Mercury, Total	ND		mg/kg	0.11	0.035	SW846 7471B	6/28/17 01:30	AXC	6/28/17 03:01	AXC D
Nickel, Total	ND		mg/kg	3.7	1.2	SW846 6010C	6/28/17 01:05	LXC	6/30/17 11:55	TSS E
Potassium, Total	ND		mg/kg	92.6	30.9	SW846 6010C	6/28/17 01:05	LXC	6/30/17 11:55	TSS E
Selenium, Total	ND		mg/kg	9.3	3.1	SW846 6010C	6/28/17 01:05	LXC	6/30/17 11:55	TSS E
Silver, Total	ND		mg/kg	0.93	0.31	SW846 6010C	6/28/17 01:05	LXC	6/30/17 11:55	TSS E
Sodium, Total	26400		mg/kg	92.6	30.9	SW846 6010C	6/28/17 01:05	LXC	6/30/17 11:55	TSS E
Thallium, Total	ND		mg/kg	5.6	1.9	SW846 6010C	6/28/17 01:05	LXC	6/30/17 11:55	TSS E
Vanadium, Total	ND		mg/kg	1.9	0.62	SW846 6010C	6/28/17 01:05	LXC	6/30/17 11:55	TSS E
Zinc, Total	ND		mg/kg	3.7	1.2	SW846 6010C	6/28/17 01:05	LXC	6/30/17 11:55	TSS E

*Susan J. Scherer*  
Ms. Susan J Scherer  
Project Coordinator

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## ANALYTICAL RESULTS

Workorder: 2241218 WEN010|2017-EP-S2-14-01 RFP NO

Lab ID:	<b>2241218018</b>	Date Collected:	6/21/2017 16:36	Matrix:	Other
Sample ID:	<b>P001-LW-057</b>	Date Received:	6/23/2017 19:50		

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
<b>VOLATILE ORGANICS</b>										
Acetone	ND		ug/kg	309000	95700	SW846 8260B	6/28/17 14:13 DD	6/28/17 16:04	DD	
Benzene	ND		ug/kg	30900	7100	SW846 8260B	6/28/17 14:13 DD	6/28/17 16:04	DD	
Bromochloromethane	ND		ug/kg	30900	9880	SW846 8260B	6/28/17 14:13 DD	6/28/17 16:04	DD	
Bromodichloromethane	ND		ug/kg	30900	8330	SW846 8260B	6/28/17 14:13 DD	6/28/17 16:04	DD	
Bromoform	ND		ug/kg	30900	12300	SW846 8260B	6/28/17 14:13 DD	6/28/17 16:04	DD	
Bromomethane	ND		ug/kg	30900	12000	SW846 8260B	6/28/17 14:13 DD	6/28/17 16:04	DD	
2-Butanone	ND		ug/kg	309000	55600	SW846 8260B	6/28/17 14:13 DD	6/28/17 16:04	DD	
Carbon Disulfide	ND		ug/kg	30900	7100	SW846 8260B	6/28/17 14:13 DD	6/28/17 16:04	DD	
Carbon Tetrachloride	ND		ug/kg	30900	9570	SW846 8260B	6/28/17 14:13 DD	6/28/17 16:04	DD	
Chlorobenzene	ND		ug/kg	30900	5860	SW846 8260B	6/28/17 14:13 DD	6/28/17 16:04	DD	
Chlorodibromomethane	ND		ug/kg	30900	13900	SW846 8260B	6/28/17 14:13 DD	6/28/17 16:04	DD	
Chloroethane	ND		ug/kg	30900	10200	SW846 8260B	6/28/17 14:13 DD	6/28/17 16:04	DD	
Chloroform	ND		ug/kg	30900	6480	SW846 8260B	6/28/17 14:13 DD	6/28/17 16:04	DD	
Chloromethane	ND		ug/kg	30900	9570	SW846 8260B	6/28/17 14:13 DD	6/28/17 16:04	DD	
Cyclohexane	68800		ug/kg	30900	8950	SW846 8260B	6/28/17 14:13 DD	6/28/17 16:04	DD	
1,2-Dibromo-3-chloropropane	ND		ug/kg	216000	46300	SW846 8260B	6/28/17 14:13 DD	6/28/17 16:04	DD	
1,2-Dibromoethane	ND		ug/kg	30900	8640	SW846 8260B	6/28/17 14:13 DD	6/28/17 16:04	DD	
1,2-Dichlorobenzene	ND		ug/kg	30900	11700	SW846 8260B	6/28/17 14:13 DD	6/28/17 16:04	DD	
1,3-Dichlorobenzene	ND		ug/kg	30900	7720	SW846 8260B	6/28/17 14:13 DD	6/28/17 16:04	DD	
1,4-Dichlorobenzene	ND		ug/kg	30900	8330	SW846 8260B	6/28/17 14:13 DD	6/28/17 16:04	DD	
Dichlorodifluoromethane	ND		ug/kg	30900	10200	SW846 8260B	6/28/17 14:13 DD	6/28/17 16:04	DD	
1,1-Dichloroethane	ND		ug/kg	30900	8640	SW846 8260B	6/28/17 14:13 DD	6/28/17 16:04	DD	
1,2-Dichloroethane	ND		ug/kg	30900	9880	SW846 8260B	6/28/17 14:13 DD	6/28/17 16:04	DD	
1,1-Dichloroethene	ND		ug/kg	30900	8950	SW846 8260B	6/28/17 14:13 DD	6/28/17 16:04	DD	
cis-1,2-Dichloroethene	ND		ug/kg	30900	9880	SW846 8260B	6/28/17 14:13 DD	6/28/17 16:04	DD	
trans-1,2-Dichloroethene	ND		ug/kg	30900	8020	SW846 8260B	6/28/17 14:13 DD	6/28/17 16:04	DD	
1,2-Dichloropropane	ND		ug/kg	30900	7410	SW846 8260B	6/28/17 14:13 DD	6/28/17 16:04	DD	
cis-1,3-Dichloropropene	ND		ug/kg	30900	9570	SW846 8260B	6/28/17 14:13 DD	6/28/17 16:04	DD	
trans-1,3-Dichloropropene	ND		ug/kg	30900	8950	SW846 8260B	6/28/17 14:13 DD	6/28/17 16:04	DD	
1,4-Dioxane	ND		ug/kg	988000	182000 0 0	SW846 8260B	6/28/17 14:13 DD	6/28/17 16:04	DD	
Ethylbenzene	ND		ug/kg	30900	10500	SW846 8260B	6/28/17 14:13 DD	6/28/17 16:04	DD	
Freon 113	ND		ug/kg	30900	8020	SW846 8260B	6/28/17 14:13 DD	6/28/17 16:04	DD	
2-Hexanone	ND		ug/kg	154000	40100	SW846 8260B	6/28/17 14:13 DD	6/28/17 16:04	DD	
Isopropylbenzene	ND		ug/kg	30900	6790	SW846 8260B	6/28/17 14:13 DD	6/28/17 16:04	DD	
Methyl acetate	ND		ug/kg	61700	9880	SW846 8260B	6/28/17 14:13 DD	6/28/17 16:04	DD	
Methyl cyclohexane	ND		ug/kg	30900	9260	SW846 8260B	6/28/17 14:13 DD	6/28/17 16:04	DD	

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## ANALYTICAL RESULTS

Workorder: 2241218 WEN010|2017-EP-S2-14-01 RFP NO

Lab ID: **2241218018** Date Collected: 6/21/2017 16:36 Matrix: Other  
Sample ID: **P001-LW-057** Date Received: 6/23/2017 19:50

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
Methyl t-Butyl Ether	ND		ug/kg	30900	10200	SW846 8260B	6/28/17 14:13 DD	6/28/17 16:04	DD	
4-Methyl-2-Pentanone(MIBK)	14300000		ug/kg	154000	46300	SW846 8260B	6/28/17 14:13 DD	6/28/17 16:04	DD	
Methylene Chloride	ND		ug/kg	30900	13900	SW846 8260B	6/28/17 14:13 DD	6/28/17 16:04	DD	
Styrene	ND		ug/kg	30900	7410	SW846 8260B	6/28/17 14:13 DD	6/28/17 16:04	DD	
1,1,2,2-Tetrachloroethane	ND		ug/kg	30900	10500	SW846 8260B	6/28/17 14:13 DD	6/28/17 16:04	DD	
Tetrachloroethene	ND		ug/kg	30900	10800	SW846 8260B	6/28/17 14:13 DD	6/28/17 16:04	DD	
Toluene	663000		ug/kg	30900	7100	SW846 8260B	6/28/17 14:13 DD	6/28/17 16:04	DD	
Total Xylenes	ND		ug/kg	92600	20400	SW846 8260B	6/28/17 14:13 DD	6/28/17 16:04	DD	
1,2,3-Trichlorobenzene	ND		ug/kg	61700	28700	SW846 8260B	6/28/17 14:13 DD	6/28/17 16:04	DD	
1,2,4-Trichlorobenzene	ND		ug/kg	61700	25300	SW846 8260B	6/28/17 14:13 DD	6/28/17 16:04	DD	
1,1,1-Trichloroethane	ND		ug/kg	30900	6790	SW846 8260B	6/28/17 14:13 DD	6/28/17 16:04	DD	
1,1,2-Trichloroethane	ND		ug/kg	30900	10200	SW846 8260B	6/28/17 14:13 DD	6/28/17 16:04	DD	
Trichloroethene	ND		ug/kg	30900	10200	SW846 8260B	6/28/17 14:13 DD	6/28/17 16:04	DD	
Trichlorofluoromethane	ND		ug/kg	30900	7410	SW846 8260B	6/28/17 14:13 DD	6/28/17 16:04	DD	
Vinyl Chloride	ND		ug/kg	30900	9260	SW846 8260B	6/28/17 14:13 DD	6/28/17 16:04	DD	
o-Xylene	ND		ug/kg	30900	10200	SW846 8260B	6/28/17 14:13 DD	6/28/17 16:04	DD	
mp-Xylene	ND		ug/kg	61700	16000	SW846 8260B	6/28/17 14:13 DD	6/28/17 16:04	DD	
<i>Surrogate Recoveries</i>		Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By
1,2-Dichloroethane-d4 (S)		84.5		%	71 - 146	SW846 8260B	6/28/17 14:13 DD	6/28/17 16:04	DD	
4-Bromofluorobenzene (S)		111		%	46 - 138	SW846 8260B	6/28/17 14:13 DD	6/28/17 16:04	DD	
Dibromofluoromethane (S)		82.7		%	42 - 143	SW846 8260B	6/28/17 14:13 DD	6/28/17 16:04	DD	
Toluene-d8 (S)		90.3		%	54 - 141	SW846 8260B	6/28/17 14:13 DD	6/28/17 16:04	DD	
<b>SEMIVOLATILES</b>										
Acenaphthene	ND		ug/kg	14700	7370	SW846 8270D	6/30/17 10:15 MPP	7/5/17 00:51	DHF	
Acenaphthylene	ND		ug/kg	14700	7370	SW846 8270D	6/30/17 10:15 MPP	7/5/17 00:51	DHF	
Anthracene	ND		ug/kg	14700	7370	SW846 8270D	6/30/17 10:15 MPP	7/5/17 00:51	DHF	
Benzo(a)anthracene	ND		ug/kg	14700	7370	SW846 8270D	6/30/17 10:15 MPP	7/5/17 00:51	DHF	
Benzo(a)pyrene	ND		ug/kg	14700	7370	SW846 8270D	6/30/17 10:15 MPP	7/5/17 00:51	DHF	
Benzo(b)fluoranthene	ND		ug/kg	14700	7370	SW846 8270D	6/30/17 10:15 MPP	7/5/17 00:51	DHF	
Benzo(g,h,i)perylene	ND		ug/kg	14700	7370	SW846 8270D	6/30/17 10:15 MPP	7/5/17 00:51	DHF	
Benzo(k)fluoranthene	ND		ug/kg	14700	7370	SW846 8270D	6/30/17 10:15 MPP	7/5/17 00:51	DHF	
4-Bromophenyl-phenylether	ND		ug/kg	14700	7370	SW846 8270D	6/30/17 10:15 MPP	7/5/17 00:51	DHF	
Butylbenzylphthalate	ND		ug/kg	14700	7370	SW846 8270D	6/30/17 10:15 MPP	7/5/17 00:51	DHF	
Carbazole	ND		ug/kg	14700	7370	SW846 8270D	6/30/17 10:15 MPP	7/5/17 00:51	DHF	
4-Chloro-3-methylphenol	ND		ug/kg	29500	14700	SW846 8270D	6/30/17 10:15 MPP	7/5/17 00:51	DHF	
4-Chloroaniline	ND		ug/kg	39300	19700	SW846 8270D	6/30/17 10:15 MPP	7/5/17 00:51	DHF	
bis(2-Chloroethoxy)methane	ND		ug/kg	14700	7370	SW846 8270D	6/30/17 10:15 MPP	7/5/17 00:51	DHF	

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## ANALYTICAL RESULTS

Workorder: 2241218 WEN010|2017-EP-S2-14-01 RFP NO

Lab ID: **2241218018** Date Collected: 6/21/2017 16:36 Matrix: Other  
Sample ID: **P001-LW-057** Date Received: 6/23/2017 19:50

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
bis(2-Chloroethyl)ether	ND		ug/kg	14700	7370	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:51	DHF
bis(2-Chloroisopropyl)ether	ND		ug/kg	14700	7370	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:51	DHF
2-Chloronaphthalene	ND		ug/kg	14700	7370	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:51	DHF
2-Chlorophenol	ND		ug/kg	29500	14700	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:51	DHF
4-Chlorophenyl-phenylether	ND		ug/kg	14700	7370	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:51	DHF
Chrysene	ND		ug/kg	14700	7370	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:51	DHF
mp-Cresol	ND		ug/kg	29500	14700	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:51	DHF
o-Cresol	ND		ug/kg	29500	14700	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:51	DHF
Di-n-Butylphthalate	ND		ug/kg	14700	7370	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:51	DHF
Di-n-Octylphthalate	ND		ug/kg	14700	7370	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:51	DHF
Dibenzo(a,h)anthracene	ND		ug/kg	14700	7370	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:51	DHF
Dibenzofuran	ND		ug/kg	14700	7370	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:51	DHF
1,2-Dichlorobenzene	ND		ug/kg	14700	7370	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:51	DHF
1,3-Dichlorobenzene	ND		ug/kg	14700	7370	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:51	DHF
1,4-Dichlorobenzene	ND		ug/kg	14700	7370	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:51	DHF
3,3-Dichlorobenzidine	ND	3	ug/kg	59000	29500	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:51	DHF
2,4-Dichlorophenol	ND		ug/kg	29500	14700	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:51	DHF
Diethylphthalate	ND		ug/kg	14700	7370	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:51	DHF
2,4-Dimethylphenol	ND		ug/kg	29500	14700	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:51	DHF
Dimethylphthalate	ND		ug/kg	14700	7370	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:51	DHF
2,4-Dinitrophenol	ND		ug/kg	118000	59000	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:51	DHF
2,4-Dinitrotoluene	ND		ug/kg	14700	7370	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:51	DHF
2,6-Dinitrotoluene	ND		ug/kg	14700	7370	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:51	DHF
bis(2-Ethylhexyl)phthalate	ND		ug/kg	14700	7370	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:51	DHF
Fluoranthene	ND		ug/kg	14700	7370	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:51	DHF
Fluorene	ND		ug/kg	14700	7370	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:51	DHF
Hexachlorobenzene	ND		ug/kg	14700	7370	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:51	DHF
Hexachlorobutadiene	ND		ug/kg	14700	7370	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:51	DHF
Hexachlorocyclopentadiene	ND		ug/kg	29500	14700	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:51	DHF
Hexachloroethane	ND		ug/kg	14700	7370	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:51	DHF
Indeno(1,2,3-cd)pyrene	ND		ug/kg	14700	7370	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:51	DHF
Isophorone	ND		ug/kg	14700	7370	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:51	DHF
2-Methyl-4,6-dinitrophenol	ND		ug/kg	29500	14700	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:51	DHF
2-Methylnaphthalene	ND		ug/kg	14700	7370	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:51	DHF
Naphthalene	ND		ug/kg	14700	7370	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:51	DHF
2-Nitroaniline	ND		ug/kg	14700	7370	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:51	DHF
3-Nitroaniline	ND		ug/kg	14700	7370	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:51	DHF
4-Nitroaniline	ND		ug/kg	14700	7370	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:51	DHF

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## ANALYTICAL RESULTS

Workorder: 2241218 WEN010|2017-EP-S2-14-01 RFP NO

Lab ID: **2241218018** Date Collected: 6/21/2017 16:36 Matrix: Other  
Sample ID: **P001-LW-057** Date Received: 6/23/2017 19:50

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
Nitrobenzene	ND		ug/kg	14700	7370	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:51	DHF
2-Nitrophenol	ND		ug/kg	29500	14700	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:51	DHF
4-Nitrophenol	ND		ug/kg	29500	14700	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:51	DHF
N-Nitroso-di-n-propylamine	ND		ug/kg	14700	7370	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:51	DHF
N-Nitrosodiphenylamine	ND		ug/kg	17700	8840	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:51	DHF
Pentachlorophenol	ND		ug/kg	29500	14700	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:51	DHF
Phenanthrone	ND		ug/kg	14700	7370	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:51	DHF
Phenol	ND		ug/kg	29500	14700	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:51	DHF
Pyrene	ND		ug/kg	14700	7370	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:51	DHF
1,2,4-Trichlorobenzene	ND		ug/kg	14700	7370	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:51	DHF
2,4,5-Trichlorophenol	ND		ug/kg	29500	14700	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:51	DHF
2,4,6-Trichlorophenol	ND		ug/kg	29500	14700	SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:51	DHF
Surrogate Recoveries	Results	Flag	Units	Limits		Method	Prepared	By	Analyzed	By
2,4,6-Tribromophenol (S)	125		%	50 - 150		SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:51	DHF
2-Fluorobiphenyl (S)	102		%	50 - 150		SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:51	DHF
2-Fluorophenol (S)	105		%	50 - 150		SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:51	DHF
Nitrobenzene-d5 (S)	102		%	50 - 150		SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:51	DHF
Phenol-d5 (S)	98.2		%	50 - 150		SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:51	DHF
Terphenyl-d14 (S)	96.9		%	50 - 150		SW846 8270D	6/30/17 10:15	MPP	7/5/17 00:51	DHF
<b>WET CHEMISTRY</b>										
Corrosivity as pH	5.94	4,5	pH_Units			SW846 9045D			6/28/17 03:50	MSA
Cyanide, Reactive	ND		ppm		10	0.011	SW-846 7.3CN	6/28/17 17:00	AHI	6/29/17 14:01 CTD
Flashpoint/Ignitability	See comment	1,2	Deg. F				SW-846 1010A			6/29/17 06:00 SDL
Sulfide, Reactive	6.4		ppm		6.2	1.2	SW846 7.3	6/28/17 17:00	AHI	6/30/17 11:15 AHI

*Susan J. Scherer*  
Ms. Susan J Scherer  
Project Coordinator

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## ANALYTICAL RESULTS

Workorder: 2241218 WEN010|2017-EP-S2-14-01 RFP NO

Lab ID:	<b>2241218019</b>	Date Collected:	6/21/2017 16:45	Matrix:	Liquid Waste
Sample ID:	<b>P001-LW-077</b>	Date Received:	6/23/2017 19:50		

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
<b>WET CHEMISTRY</b>										
Corrosivity as pH	4.69	3	pH_Units			SW846 9040C			6/27/17 11:45	MBW B
Cyanide, Reactive	ND		ppm	10	0.011	SW-846 7.3CN	6/28/17 17:00 AHI		6/29/17 14:01	CTD A
Flashpoint/Ignitability	See comment	1,2	Deg. F			SW-846 1010A			6/29/17 06:00	SDL A
Sulfide, Reactive	2.4J	J	ppm	6.2	1.2	SW846 7.3	6/28/17 17:00 AHI		6/30/17 11:15	AHI A

Ms. Susan J Scherer

Project Coordinator

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## ANALYTICAL RESULTS

Workorder: 2241218 WEN010|2017-EP-S2-14-01 RFP NO

Lab ID: **2241218020** Date Collected: 6/21/2017 16:55 Matrix: Liquid Waste  
Sample ID: **P001-LW-086** Date Received: 6/23/2017 19:50

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
<b>VOLATILE ORGANICS</b>										
Acetone	ND		ug/L	5000	1550	SW846 8260B		6/29/17 18:11	TMP	A
Benzene	ND		ug/L	500	115	SW846 8260B		6/29/17 18:11	TMP	A
Bromochloromethane	ND		ug/L	500	160	SW846 8260B		6/29/17 18:11	TMP	A
Bromodichloromethane	ND		ug/L	500	135	SW846 8260B		6/29/17 18:11	TMP	A
Bromoform	ND		ug/L	500	200	SW846 8260B		6/29/17 18:11	TMP	A
Bromomethane	ND		ug/L	500	195	SW846 8260B		6/29/17 18:11	TMP	A
2-Butanone	ND		ug/L	5000	900	SW846 8260B		6/29/17 18:11	TMP	A
Carbon Disulfide	ND		ug/L	500	115	SW846 8260B		6/29/17 18:11	TMP	A
Carbon Tetrachloride	ND		ug/L	500	155	SW846 8260B		6/29/17 18:11	TMP	A
Chlorobenzene	ND		ug/L	500	95.0	SW846 8260B		6/29/17 18:11	TMP	A
Chlorodibromomethane	ND		ug/L	500	225	SW846 8260B		6/29/17 18:11	TMP	A
Chloroethane	ND		ug/L	500	165	SW846 8260B		6/29/17 18:11	TMP	A
Chloroform	ND		ug/L	500	105	SW846 8260B		6/29/17 18:11	TMP	A
Chloromethane	ND		ug/L	500	155	SW846 8260B		6/29/17 18:11	TMP	A
Cyclohexane	ND		ug/L	500	145	SW846 8260B		6/29/17 18:11	TMP	A
1,2-Dibromo-3-chloropropane	ND		ug/L	3500	750	SW846 8260B		6/29/17 18:11	TMP	A
1,2-Dibromoethane	ND		ug/L	500	140	SW846 8260B		6/29/17 18:11	TMP	A
1,2-Dichlorobenzene	ND		ug/L	500	190	SW846 8260B		6/29/17 18:11	TMP	A
1,3-Dichlorobenzene	ND		ug/L	500	125	SW846 8260B		6/29/17 18:11	TMP	A
1,4-Dichlorobenzene	ND		ug/L	500	135	SW846 8260B		6/29/17 18:11	TMP	A
Dichlorodifluoromethane	ND		ug/L	500	165	SW846 8260B		6/29/17 18:11	TMP	A
1,1-Dichloroethane	ND		ug/L	500	140	SW846 8260B		6/29/17 18:11	TMP	A
1,2-Dichloroethane	ND		ug/L	500	160	SW846 8260B		6/29/17 18:11	TMP	A
1,1-Dichloroethene	ND		ug/L	500	145	SW846 8260B		6/29/17 18:11	TMP	A
cis-1,2-Dichloroethene	ND		ug/L	500	160	SW846 8260B		6/29/17 18:11	TMP	A
trans-1,2-Dichloroethene	ND		ug/L	500	130	SW846 8260B		6/29/17 18:11	TMP	A
1,2-Dichloropropane	ND		ug/L	500	120	SW846 8260B		6/29/17 18:11	TMP	A
cis-1,3-Dichloropropene	ND		ug/L	500	155	SW846 8260B		6/29/17 18:11	TMP	A
trans-1,3-Dichloropropene	ND		ug/L	500	145	SW846 8260B		6/29/17 18:11	TMP	A
1,4-Dioxane	ND		ug/L	160000	29500	SW846 8260B		6/29/17 18:11	TMP	A
Ethylbenzene	ND		ug/L	500	170	SW846 8260B		6/29/17 18:11	TMP	A
Freon 113	ND		ug/L	500	130	SW846 8260B		6/29/17 18:11	TMP	A
2-Hexanone	ND		ug/L	2500	650	SW846 8260B		6/29/17 18:11	TMP	A
Isopropylbenzene	ND		ug/L	500	110	SW846 8260B		6/29/17 18:11	TMP	A
Methyl acetate	ND		ug/L	1000	160	SW846 8260B		6/29/17 18:11	TMP	A
Methyl cyclohexane	277J	J	ug/L	500	150	SW846 8260B		6/29/17 18:11	TMP	A

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## ANALYTICAL RESULTS

Workorder: 2241218 WEN010|2017-EP-S2-14-01 RFP NO

Lab ID: **2241218020** Date Collected: 6/21/2017 16:55 Matrix: Liquid Waste  
Sample ID: **P001-LW-086** Date Received: 6/23/2017 19:50

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr	
Methyl t-Butyl Ether	ND		ug/L	500	165	SW846 8260B		6/29/17 18:11	TMP	A	
4-Methyl-2-Pentanone(MIBK)	ND		ug/L	2500	750	SW846 8260B		6/29/17 18:11	TMP	A	
Methylene Chloride	ND		ug/L	500	225	SW846 8260B		6/29/17 18:11	TMP	A	
Styrene	ND		ug/L	500	120	SW846 8260B		6/29/17 18:11	TMP	A	
1,1,2,2-Tetrachloroethane	ND		ug/L	500	170	SW846 8260B		6/29/17 18:11	TMP	A	
Tetrachloroethene	ND		ug/L	500	175	SW846 8260B		6/29/17 18:11	TMP	A	
Toluene	431J	J	ug/L	500	115	SW846 8260B		6/29/17 18:11	TMP	A	
Total Xylenes	ND		ug/L	1500	330	SW846 8260B		6/29/17 18:11	TMP	A	
1,2,3-Trichlorobenzene	ND		ug/L	1000	465	SW846 8260B		6/29/17 18:11	TMP	A	
1,2,4-Trichlorobenzene	ND		ug/L	1000	410	SW846 8260B		6/29/17 18:11	TMP	A	
1,1,1-Trichloroethane	ND		ug/L	500	110	SW846 8260B		6/29/17 18:11	TMP	A	
1,1,2-Trichloroethane	ND		ug/L	500	165	SW846 8260B		6/29/17 18:11	TMP	A	
Trichloroethene	ND		ug/L	500	165	SW846 8260B		6/29/17 18:11	TMP	A	
Trichlorofluoromethane	ND		ug/L	500	120	SW846 8260B		6/29/17 18:11	TMP	A	
Vinyl Chloride	ND		ug/L	500	150	SW846 8260B		6/29/17 18:11	TMP	A	
o-Xylene	ND		ug/L	500	165	SW846 8260B		6/29/17 18:11	TMP	A	
mp-Xylene	ND		ug/L	1000	260	SW846 8260B		6/29/17 18:11	TMP	A	
Surrogate Recoveries	Results	Flag	Units	Limits		Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichloroethane-d4 (S)	107		%	62 - 133		SW846 8260B		6/29/17 18:11	TMP	A	
4-Bromofluorobenzene (S)	90.5		%	79 - 114		SW846 8260B		6/29/17 18:11	TMP	A	
Dibromofluoromethane (S)	71	1	%	78 - 116		SW846 8260B		6/29/17 18:11	TMP	A	
Toluene-d8 (S)	100		%	76 - 127		SW846 8260B		6/29/17 18:11	TMP	A	
SEMIVOLATILES											
Acenaphthene	ND		ug/L	15000	1500	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:59	DHF	A	
Acenaphthylene	ND		ug/L	15000	1900	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:59	DHF	A	
Acetophenone	ND		ug/L	30000	2400	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:59	DHF	A	
Anthracene	ND		ug/L	15000	1500	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:59	DHF	A	
Atrazine	ND		ug/L	30000	2400	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:59	DHF	A	
Benzaldehyde	ND		ug/L	30000	2600	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:59	DHF	A	
Benzo(a)anthracene	ND		ug/L	15000	1300	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:59	DHF	A	
Benzo(a)pyrene	ND		ug/L	15000	2200	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:59	DHF	A	
Benzo(b)fluoranthene	ND		ug/L	15000	1100	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:59	DHF	A	
Benzo(g,h,i)perylene	ND		ug/L	15000	2200	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:59	DHF	A	
Benzo(k)fluoranthene	ND		ug/L	15000	1900	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:59	DHF	A	
Biphenyl	ND		ug/L	30000	1700	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:59	DHF	A	
4-Bromophenyl-phenylether	ND		ug/L	30000	1700	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:59	DHF	A	
Butylbenzylphthalate	ND		ug/L	30000	1100	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:59	DHF	A	

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## ANALYTICAL RESULTS

Workorder: 2241218 WEN010|2017-EP-S2-14-01 RFP NO

Lab ID: **2241218020** Date Collected: 6/21/2017 16:55 Matrix: Liquid Waste  
Sample ID: **P001-LW-086** Date Received: 6/23/2017 19:50

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
Caprolactam	ND		ug/L	30000	2800	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:59	DHF	A
Carbazole	ND		ug/L	30000	1200	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:59	DHF	A
4-Chloro-3-methylphenol	ND		ug/L	30000	1900	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:59	DHF	A
4-Chloroaniline	ND		ug/L	30000	2100	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:59	DHF	A
bis(2-Chloroethoxy)methane	ND		ug/L	30000	2100	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:59	DHF	A
bis(2-Chloroethyl)ether	ND		ug/L	30000	1700	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:59	DHF	A
bis(2-Chloroisopropyl)ether	ND		ug/L	30000	2800	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:59	DHF	A
2-Chloronaphthalene	ND		ug/L	30000	1800	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:59	DHF	A
2-Chlorophenol	ND		ug/L	30000	3300	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:59	DHF	A
4-Chlorophenyl-phenylether	ND		ug/L	30000	1400	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:59	DHF	A
Chrysene	ND		ug/L	15000	1200	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:59	DHF	A
mp-Cresol	ND		ug/L	30000	1500	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:59	DHF	A
o-Cresol	ND		ug/L	30000	2500	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:59	DHF	A
Di-n-Butylphthalate	ND		ug/L	30000	1400	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:59	DHF	A
Di-n-Octylphthalate	ND		ug/L	30000	1000	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:59	DHF	A
Dibenz(a,h)anthracene	ND		ug/L	15000	2100	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:59	DHF	A
Dibenzofuran	ND		ug/L	30000	1100	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:59	DHF	A
3,3-Dichlorobenzidine	ND		ug/L	30000	4800	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:59	DHF	A
2,4-Dichlorophenol	ND		ug/L	30000	3200	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:59	DHF	A
Diethylphthalate	ND		ug/L	30000	1800	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:59	DHF	A
2,4-Dimethylphenol	ND		ug/L	30000	2100	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:59	DHF	A
Dimethylphthalate	ND		ug/L	30000	1400	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:59	DHF	A
2,4-Dinitrophenol	ND		ug/L	60000	18100	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:59	DHF	A
2,4-Dinitrotoluene	ND		ug/L	30000	1200	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:59	DHF	A
2,6-Dinitrotoluene	ND		ug/L	30000	2100	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:59	DHF	A
1,4-Dioxane	ND		ug/L	30000	6900	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:59	DHF	A
bis(2-Ethylhexyl)phthalate	ND		ug/L	30000	2200	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:59	DHF	A
Fluoranthene	ND		ug/L	15000	1700	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:59	DHF	A
Fluorene	ND		ug/L	15000	2000	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:59	DHF	A
Hexachlorobenzene	ND		ug/L	30000	2300	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:59	DHF	A
Hexachlorobutadiene	ND		ug/L	30000	1900	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:59	DHF	A
Hexachlorocyclopentadiene	ND		ug/L	30000	1700	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:59	DHF	A
Hexachloroethane	ND		ug/L	30000	3000	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:59	DHF	A
Indeno(1,2,3-cd)pyrene	ND		ug/L	15000	1000	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:59	DHF	A
Isophorone	ND		ug/L	30000	1500	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:59	DHF	A
2-Methyl-4,6-dinitrophenol	ND		ug/L	60000	3300	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:59	DHF	A
2-Methylnaphthalene	ND		ug/L	15000	1600	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:59	DHF	A
Naphthalene	ND		ug/L	15000	1200	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:59	DHF	A

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## ANALYTICAL RESULTS

Workorder: 2241218 WEN010|2017-EP-S2-14-01 RFP NO

Lab ID:	<b>2241218020</b>	Date Collected:	6/21/2017 16:55	Matrix:	Liquid Waste
Sample ID:	<b>P001-LW-086</b>	Date Received:	6/23/2017 19:50		

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed By	By	Cntr
2-Nitroaniline	ND		ug/L	30000	2000	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:59	DHF	A
3-Nitroaniline	ND		ug/L	30000	1800	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:59	DHF	A
4-Nitroaniline	ND		ug/L	30000	4100	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:59	DHF	A
Nitrobenzene	ND		ug/L	30000	2800	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:59	DHF	A
2-Nitrophenol	ND		ug/L	30000	4500	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:59	DHF	A
4-Nitrophenol	ND		ug/L	30000	10500	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:59	DHF	A
N-Nitroso-di-n-propylamine	ND		ug/L	30000	2400	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:59	DHF	A
N-Nitrosodiphenylamine	ND		ug/L	30000	1800	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:59	DHF	A
Pentachlorophenol	ND		ug/L	60000	10700	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:59	DHF	A
Phenanthrene	ND		ug/L	15000	1300	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:59	DHF	A
Phenol	ND		ug/L	80000	2300	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:59	DHF	A
Pyrene	ND		ug/L	15000	1600	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:59	DHF	A
1,2,4,5-Tetrachlorobenzene	ND		ug/L	30000	1900	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:59	DHF	A
2,3,4,6-Tetrachlorophenol	ND		ug/L	30000	4800	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:59	DHF	A
2,4,5-Trichlorophenol	ND		ug/L	30000	5500	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:59	DHF	A
2,4,6-Trichlorophenol	ND		ug/L	30000	5700	SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:59	DHF	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>		<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>
2,4,6-Tribromophenol (S)	0	4	%	47 - 128		SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:59	DHF	A
2-Fluorobiphenyl (S)	0	3	%	52 - 118		SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:59	DHF	A
2-Fluorophenol (S)	66.6		%	20 - 87		SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:59	DHF	A
Nitrobenzene-d5 (S)	0	2	%	27 - 139		SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:59	DHF	A
Phenol-d5 (S)	56.7		%	10 - 81		SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:59	DHF	A
Terphenyl-d14 (S)	0	5	%	46 - 133		SW846 8270D	6/28/17 10:30 JTH	6/29/17 05:59	DHF	A

Ms. Susan J Scherer  
Project Coordinator

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## ANALYTICAL RESULTS

Workorder: 2241218 WEN010|2017-EP-S2-14-01 RFP NO

Lab ID:	<b>2241218021</b>	Date Collected:	6/21/2017 18:02	Matrix:	Liquid Waste
Sample ID:	<b>P001-LW-107</b>	Date Received:	6/23/2017 19:50		

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
<b>WET CHEMISTRY</b>										
Corrosivity as pH	13.65	3	pH_Units			SW846 9040C		6/30/17 04:27	MSA	A
Cyanide, Reactive	ND		ppm	10.0	0.011	SW-846 7.3CN	6/28/17 17:00 AHI	6/29/17 14:01	CTD	A
Flashpoint/Ignitability	See comment	1,2	Deg. F			SW-846 1010A		6/29/17 06:00	SDL	A
Sulfide, Reactive	ND		ppm	6.3	1.3	SW846 7.3	6/28/17 17:00 AHI	6/30/17 11:15	AHI	A

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## ANALYTICAL RESULTS

Workorder: 2241218 WEN010|2017-EP-S2-14-01 RFP NO

Lab ID:	<b>2241218022</b>	Date Collected:	6/21/2017 17:40	Matrix:	Liquid Waste
Sample ID:	<b>P001-LW-108</b>	Date Received:	6/23/2017 19:50		

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
Total Polychlorinated Biphenyl	ND		ug/L	20.0	20.0	SW846 8082A	6/27/17 08:25 CAC	6/29/17 18:04	EGO	A
<b>VOLATILE ORGANICS</b>										
Acetone	ND		ug/L	5000	1550	SW846 8260B		6/29/17 18:32	TMP	A
Benzene	ND		ug/L	500	115	SW846 8260B		6/29/17 18:32	TMP	A
Bromochloromethane	ND		ug/L	500	160	SW846 8260B		6/29/17 18:32	TMP	A
Bromodichloromethane	ND		ug/L	500	135	SW846 8260B		6/29/17 18:32	TMP	A
Bromoform	ND		ug/L	500	200	SW846 8260B		6/29/17 18:32	TMP	A
Bromomethane	ND		ug/L	500	195	SW846 8260B		6/29/17 18:32	TMP	A
2-Butanone	984J	J	ug/L	5000	900	SW846 8260B		6/29/17 18:32	TMP	A
Carbon Disulfide	ND		ug/L	500	115	SW846 8260B		6/29/17 18:32	TMP	A
Carbon Tetrachloride	ND		ug/L	500	155	SW846 8260B		6/29/17 18:32	TMP	A
Chlorobenzene	ND		ug/L	500	95.0	SW846 8260B		6/29/17 18:32	TMP	A
Chlorodibromomethane	ND		ug/L	500	225	SW846 8260B		6/29/17 18:32	TMP	A
Chloroethane	ND		ug/L	500	165	SW846 8260B		6/29/17 18:32	TMP	A
Chloroform	ND		ug/L	500	105	SW846 8260B		6/29/17 18:32	TMP	A
Chloromethane	ND		ug/L	500	155	SW846 8260B		6/29/17 18:32	TMP	A
Cyclohexane	ND		ug/L	500	145	SW846 8260B		6/29/17 18:32	TMP	A
1,2-Dibromo-3-chloropropane	ND		ug/L	3500	750	SW846 8260B		6/29/17 18:32	TMP	A
1,2-Dibromoethane	ND		ug/L	500	140	SW846 8260B		6/29/17 18:32	TMP	A
1,2-Dichlorobenzene	ND		ug/L	500	190	SW846 8260B		6/29/17 18:32	TMP	A
1,3-Dichlorobenzene	ND		ug/L	500	125	SW846 8260B		6/29/17 18:32	TMP	A
1,4-Dichlorobenzene	ND		ug/L	500	135	SW846 8260B		6/29/17 18:32	TMP	A
Dichlorodifluoromethane	ND		ug/L	500	165	SW846 8260B		6/29/17 18:32	TMP	A
1,1-Dichloroethane	ND		ug/L	500	140	SW846 8260B		6/29/17 18:32	TMP	A
1,2-Dichloroethane	ND		ug/L	500	160	SW846 8260B		6/29/17 18:32	TMP	A
1,1-Dichloroethene	ND		ug/L	500	145	SW846 8260B		6/29/17 18:32	TMP	A
cis-1,2-Dichloroethene	ND		ug/L	500	160	SW846 8260B		6/29/17 18:32	TMP	A
trans-1,2-Dichloroethene	ND		ug/L	500	130	SW846 8260B		6/29/17 18:32	TMP	A
1,2-Dichloropropane	ND		ug/L	500	120	SW846 8260B		6/29/17 18:32	TMP	A
cis-1,3-Dichloropropene	ND		ug/L	500	155	SW846 8260B		6/29/17 18:32	TMP	A
trans-1,3-Dichloropropene	ND		ug/L	500	145	SW846 8260B		6/29/17 18:32	TMP	A
1,4-Dioxane	ND		ug/L	160000	29500	SW846 8260B		6/29/17 18:32	TMP	A
Ethylbenzene	ND		ug/L	500	170	SW846 8260B		6/29/17 18:32	TMP	A
Freon 113	ND		ug/L	500	130	SW846 8260B		6/29/17 18:32	TMP	A
2-Hexanone	ND		ug/L	2500	650	SW846 8260B		6/29/17 18:32	TMP	A

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## ANALYTICAL RESULTS

Workorder: 2241218 WEN010|2017-EP-S2-14-01 RFP NO

Lab ID: **2241218022** Date Collected: 6/21/2017 17:40 Matrix: Liquid Waste  
Sample ID: **P001-LW-108** Date Received: 6/23/2017 19:50

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr	
Isopropylbenzene	ND		ug/L	500	110	SW846 8260B		6/29/17 18:32	TMP	A	
Methyl acetate	ND		ug/L	1000	160	SW846 8260B		6/29/17 18:32	TMP	A	
Methyl cyclohexane	ND		ug/L	500	150	SW846 8260B		6/29/17 18:32	TMP	A	
Methyl t-Butyl Ether	ND		ug/L	500	165	SW846 8260B		6/29/17 18:32	TMP	A	
4-Methyl-2-Pentanone(MIBK)	ND		ug/L	2500	750	SW846 8260B		6/29/17 18:32	TMP	A	
Methylene Chloride	ND		ug/L	500	225	SW846 8260B		6/29/17 18:32	TMP	A	
Styrene	ND		ug/L	500	120	SW846 8260B		6/29/17 18:32	TMP	A	
1,1,2,2-Tetrachloroethane	ND		ug/L	500	170	SW846 8260B		6/29/17 18:32	TMP	A	
Tetrachloroethene	ND		ug/L	500	175	SW846 8260B		6/29/17 18:32	TMP	A	
Toluene	ND		ug/L	500	115	SW846 8260B		6/29/17 18:32	TMP	A	
Total Xylenes	ND		ug/L	1500	330	SW846 8260B		6/29/17 18:32	TMP	A	
1,2,3-Trichlorobenzene	ND		ug/L	1000	465	SW846 8260B		6/29/17 18:32	TMP	A	
1,2,4-Trichlorobenzene	ND		ug/L	1000	410	SW846 8260B		6/29/17 18:32	TMP	A	
1,1,1-Trichloroethane	ND		ug/L	500	110	SW846 8260B		6/29/17 18:32	TMP	A	
1,1,2-Trichloroethane	ND		ug/L	500	165	SW846 8260B		6/29/17 18:32	TMP	A	
Trichloroethene	ND		ug/L	500	165	SW846 8260B		6/29/17 18:32	TMP	A	
Trichlorofluoromethane	ND		ug/L	500	120	SW846 8260B		6/29/17 18:32	TMP	A	
Vinyl Chloride	ND		ug/L	500	150	SW846 8260B		6/29/17 18:32	TMP	A	
o-Xylene	ND		ug/L	500	165	SW846 8260B		6/29/17 18:32	TMP	A	
mp-Xylene	ND		ug/L	1000	260	SW846 8260B		6/29/17 18:32	TMP	A	
Surrogate Recoveries	Results	Flag	Units	Limits		Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichloroethane-d4 (S)	108		%	62 - 133		SW846 8260B		6/29/17 18:32	TMP	A	
4-Bromofluorobenzene (S)	95.1		%	79 - 114		SW846 8260B		6/29/17 18:32	TMP	A	
Dibromofluoromethane (S)	67.6	1	%	78 - 116		SW846 8260B		6/29/17 18:32	TMP	A	
Toluene-d8 (S)	101		%	76 - 127		SW846 8260B		6/29/17 18:32	TMP	A	
SEMIVOLATILES						Method	Prepared	By	Analyzed	By	Cntr
Acenaphthene	ND		ug/L	60.0	6.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:47	CGS	A	
Acenaphthylene	ND		ug/L	60.0	7.6	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:47	CGS	A	
Acetophenone	ND		ug/L	120	9.6	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:47	CGS	A	
Anthracene	ND		ug/L	60.0	6.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:47	CGS	A	
Atrazine	ND		ug/L	120	9.6	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:47	CGS	A	
Benzaldehyde	104J	J	ug/L	120	10.4	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:47	CGS	A	
Benzo(a)anthracene	ND		ug/L	60.0	5.2	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:47	CGS	A	
Benzo(a)pyrene	ND		ug/L	60.0	8.8	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:47	CGS	A	
Benzo(b)fluoranthene	ND		ug/L	60.0	4.4	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:47	CGS	A	
Benzo(g,h,i)perylene	ND		ug/L	60.0	8.8	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:47	CGS	A	
Benzo(k)fluoranthene	ND		ug/L	60.0	7.6	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:47	CGS	A	

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## ANALYTICAL RESULTS

Workorder: 2241218 WEN010|2017-EP-S2-14-01 RFP NO

Lab ID: **2241218022** Date Collected: 6/21/2017 17:40 Matrix: Liquid Waste  
Sample ID: **P001-LW-108** Date Received: 6/23/2017 19:50

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
Biphenyl	ND		ug/L	120	6.8	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:47	CGS	A
4-Bromophenyl-phenylether	ND		ug/L	120	6.8	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:47	CGS	A
Butylbenzylphthalate	ND		ug/L	120	4.4	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:47	CGS	A
Caprolactam	ND		ug/L	120	11.2	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:47	CGS	A
Carbazole	ND		ug/L	120	4.8	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:47	CGS	A
4-Chloro-3-methylphenol	ND		ug/L	120	7.6	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:47	CGS	A
4-Chloroaniline	ND		ug/L	120	8.4	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:47	CGS	A
bis(2-Chloroethoxy)methane	ND		ug/L	120	8.4	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:47	CGS	A
bis(2-Chloroethyl)ether	ND		ug/L	120	6.8	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:47	CGS	A
bis(2-Chloroisopropyl)ether	ND		ug/L	120	11.2	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:47	CGS	A
2-Chloronaphthalene	ND		ug/L	120	7.2	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:47	CGS	A
2-Chlorophenol	ND		ug/L	120	13.2	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:47	CGS	A
4-Chlorophenyl-phenylether	ND		ug/L	120	5.6	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:47	CGS	A
Chrysene	ND		ug/L	60.0	4.8	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:47	CGS	A
mp-Cresol	ND		ug/L	120	6.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:47	CGS	A
o-Cresol	ND		ug/L	120	10.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:47	CGS	A
Di-n-Butylphthalate	ND		ug/L	120	5.6	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:47	CGS	A
Di-n-Octylphthalate	ND		ug/L	120	4.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:47	CGS	A
Dibenzo(a,h)anthracene	ND		ug/L	60.0	8.4	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:47	CGS	A
Dibenzofuran	ND		ug/L	120	4.4	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:47	CGS	A
3,3-Dichlorobenzidine	ND		ug/L	120	19.2	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:47	CGS	A
2,4-Dichlorophenol	ND		ug/L	120	12.8	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:47	CGS	A
Diethylphthalate	ND		ug/L	120	7.2	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:47	CGS	A
2,4-Dimethylphenol	ND		ug/L	120	8.4	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:47	CGS	A
Dimethylphthalate	ND		ug/L	120	5.6	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:47	CGS	A
2,4-Dinitrophenol	ND		ug/L	240	72.4	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:47	CGS	A
2,4-Dinitrotoluene	ND		ug/L	120	4.8	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:47	CGS	A
2,6-Dinitrotoluene	ND		ug/L	120	8.4	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:47	CGS	A
1,4-Dioxane	ND		ug/L	120	27.6	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:47	CGS	A
bis(2-Ethylhexyl)phthalate	ND		ug/L	120	8.8	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:47	CGS	A
Fluoranthene	ND		ug/L	60.0	6.8	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:47	CGS	A
Fluorene	ND		ug/L	60.0	8.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:47	CGS	A
Hexachlorobenzene	ND		ug/L	120	9.2	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:47	CGS	A
Hexachlorobutadiene	ND		ug/L	120	7.6	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:47	CGS	A
Hexachlorocyclopentadiene	ND		ug/L	120	6.8	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:47	CGS	A
Hexachloroethane	ND		ug/L	120	12.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:47	CGS	A
Indeno(1,2,3-cd)pyrene	ND		ug/L	60.0	4.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:47	CGS	A
Isophorone	ND		ug/L	120	6.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:47	CGS	A

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## ANALYTICAL RESULTS

Workorder: 2241218 WEN010|2017-EP-S2-14-01 RFP NO

Lab ID: **2241218022** Date Collected: 6/21/2017 17:40 Matrix: Liquid Waste  
Sample ID: **P001-LW-108** Date Received: 6/23/2017 19:50

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
2-Methyl-4,6-dinitrophenol	ND		ug/L	240	13.2	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:47	CGS	A
2-Methylnaphthalene	ND		ug/L	60.0	6.4	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:47	CGS	A
Naphthalene	ND		ug/L	60.0	4.8	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:47	CGS	A
2-Nitroaniline	ND		ug/L	120	8.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:47	CGS	A
3-Nitroaniline	ND		ug/L	120	7.2	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:47	CGS	A
4-Nitroaniline	ND		ug/L	120	16.4	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:47	CGS	A
Nitrobenzene	ND		ug/L	120	11.2	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:47	CGS	A
2-Nitrophenol	ND		ug/L	120	18.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:47	CGS	A
4-Nitrophenol	ND		ug/L	120	42.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:47	CGS	A
N-Nitroso-di-n-propylamine	ND		ug/L	120	9.6	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:47	CGS	A
N-Nitrosodiphenylamine	ND		ug/L	120	7.2	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:47	CGS	A
Pentachlorophenol	ND		ug/L	240	42.8	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:47	CGS	A
Phenanthrene	ND		ug/L	60.0	5.2	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:47	CGS	A
Phenol	ND		ug/L	320	9.2	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:47	CGS	A
Pyrene	ND		ug/L	60.0	6.4	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:47	CGS	A
1,2,4,5-Tetrachlorobenzene	ND		ug/L	120	7.6	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:47	CGS	A
2,3,4,6-Tetrachlorophenol	ND		ug/L	120	19.2	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:47	CGS	A
2,4,5-Trichlorophenol	ND		ug/L	120	22.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:47	CGS	A
2,4,6-Trichlorophenol	ND		ug/L	120	22.8	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:47	CGS	A
<b>Surrogate Recoveries</b>		Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By Cntr
2,4,6-Tribromophenol (S)		96		%	47 - 128	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:47	CGS	A
2-Fluorobiphenyl (S)		81.9		%	52 - 118	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:47	CGS	A
2-Fluorophenol (S)		58.1		%	20 - 87	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:47	CGS	A
Nitrobenzene-d5 (S)		95		%	27 - 139	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:47	CGS	A
Phenol-d5 (S)		38.5		%	10 - 81	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:47	CGS	A
Terphenyl-d14 (S)		89.4		%	46 - 133	SW846 8270D	6/28/17 10:30 JTH	6/29/17 21:47	CGS	A
<b>PCBs</b>										
Aroclor-1016		ND		ug/L	20.0	2.4	SW846 8082A	6/27/17 08:25 CAC	6/29/17 18:04	EGO A
Aroclor-1221		ND		ug/L	20.0	2.8	SW846 8082A	6/27/17 08:25 CAC	6/29/17 18:04	EGO A
Aroclor-1232		ND		ug/L	20.0	7.6	SW846 8082A	6/27/17 08:25 CAC	6/29/17 18:04	EGO A
Aroclor-1242		ND		ug/L	20.0	9.6	SW846 8082A	6/27/17 08:25 CAC	6/29/17 18:04	EGO A
Aroclor-1248		ND		ug/L	20.0	5.6	SW846 8082A	6/27/17 08:25 CAC	6/29/17 18:04	EGO A
Aroclor-1254		ND		ug/L	20.0	4.0	SW846 8082A	6/27/17 08:25 CAC	6/29/17 18:04	EGO A
Aroclor-1260		ND		ug/L	20.0	2.8	SW846 8082A	6/27/17 08:25 CAC	6/29/17 18:04	EGO A
Aroclor-1262		ND		ug/L	20.0	4.0	SW846 8082A	6/27/17 08:25 CAC	6/29/17 18:04	EGO A
Aroclor-1268		ND		ug/L	20.0	6.8	SW846 8082A	6/27/17 08:25 CAC	6/29/17 18:04	EGO A
<b>Surrogate Recoveries</b>		Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By Cntr

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## ANALYTICAL RESULTS

Workorder: 2241218 WEN010|2017-EP-S2-14-01 RFP NO

Lab ID:	<b>2241218022</b>	Date Collected:	6/21/2017 17:40	Matrix:	Liquid Waste
Sample ID:	<b>P001-LW-108</b>	Date Received:	6/23/2017 19:50		

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
Decachlorobiphenyls (S)	28.1	2	%	30 - 140		SW846 8082A	6/27/17 08:25 CAC	6/29/17 18:04	EGO	A
Tetrachloro-m-xylene (S)	72		%	30 - 133		SW846 8082A	6/27/17 08:25 CAC	6/29/17 18:04	EGO	A
<b>PESTICIDES</b>										
Aldrin	ND		ug/L	0.80	0.20	SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:34	RWS	A
alpha-BHC	ND		ug/L	0.80	0.080	SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:34	RWS	A
beta-BHC	ND		ug/L	0.80	0.32	SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:34	RWS	A
delta-BHC	ND		ug/L	0.80	0.12	SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:34	RWS	A
gamma-BHC	ND		ug/L	0.80	0.12	SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:34	RWS	A
alpha-Chlordane	ND		ug/L	0.80	0.12	SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:34	RWS	A
gamma-Chlordane	ND		ug/L	0.80	0.12	SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:34	RWS	A
4,4'-DDD	ND		ug/L	0.80	0.28	SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:34	RWS	A
4,4'-DDE	ND		ug/L	0.80	0.28	SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:34	RWS	A
4,4'-DDT	ND		ug/L	0.80	0.24	SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:34	RWS	A
Dieldrin	ND		ug/L	0.80	0.12	SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:34	RWS	A
Endosulfan I	ND		ug/L	0.80	0.12	SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:34	RWS	A
Endosulfan II	ND		ug/L	0.80	0.24	SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:34	RWS	A
Endosulfan Sulfate	ND		ug/L	0.80	0.16	SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:34	RWS	A
Endrin	ND		ug/L	0.80	0.32	SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:34	RWS	A
Endrin Aldehyde	ND		ug/L	0.80	0.40	SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:34	RWS	A
Endrin Ketone	ND		ug/L	0.80	0.16	SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:34	RWS	A
Heptachlor	ND		ug/L	0.80	0.12	SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:34	RWS	A
Heptachlor Epoxide	ND		ug/L	0.80	0.16	SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:34	RWS	A
Methoxychlor	ND		ug/L	0.80	0.36	SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:34	RWS	A
Toxaphene	ND		ug/L	40.0	7.6	SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:34	RWS	A
<i>Surrogate Recoveries</i>										
Decachlorobiphenyls (S)	22.1		%	30 - 140		SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:34	RWS	A
Tetrachloro-m-xylene (S)	57.7		%	30 - 123		SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:34	RWS	A
<b>WET CHEMISTRY</b>										
Corrosivity as pH	2.73	5	pH_Units			SW846 9040C		6/30/17 03:33	MSA	A
Cyanide, Reactive	0.015J	J	ppm	10	0.011	SW-846 7.3CN	6/28/17 17:00 AHI	6/29/17 14:01	CTD	A
Cyanide, Total	ND		mg/L	0.050	0.022	SW846 9012B	6/27/17 11:13 CTD	6/27/17 15:43	CTD	A
Flashpoint/Ignitability	See comment	3,4	Deg. F			SW-846 1010A		6/30/17 09:00	SDL	A
Sulfide, Reactive	ND		ppm	6.2	1.2	SW846 7.3	6/28/17 17:00 AHI	6/30/17 11:15	AHI	A
Mercury, Total	ND		mg/L	0.013	0.0042	SW846 7470A	6/28/17 00:25 AXC	6/28/17 04:25	AXC	A2
Aluminum, Total	ND		mg/L	10	3.2	SW846 6010C	6/28/17 03:50 LXC	6/30/17 09:14	SRT	A3
Sodium, Total	ND		mg/L	50.0	16.2	SW846 6010C	6/28/17 03:50 LXC	6/30/17 09:14	SRT	A3

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## ANALYTICAL RESULTS

Workorder: 2241218 WEN010|2017-EP-S2-14-01 RFP NO

Lab ID: **2241218022** Date Collected: 6/21/2017 17:40 Matrix: Liquid Waste  
Sample ID: **P001-LW-108** Date Received: 6/23/2017 19:50

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
Antimony, Total	ND		mg/L	2.0	0.90	SW846 6010C	6/28/17 03:50 LXC	6/30/17 09:14	SRT	A3
Potassium, Total	ND		mg/L	50.0	16.2	SW846 6010C	6/28/17 03:50 LXC	6/30/17 09:14	SRT	A3
Arsenic, Total	ND		mg/L	0.81	0.27	SW846 6010C	6/28/17 03:50 LXC	6/30/17 09:14	SRT	A3
Barium, Total	ND		mg/L	1.0	0.32	SW846 6010C	6/28/17 03:50 LXC	6/30/17 09:14	SRT	A3
Beryllium, Total	ND		mg/L	0.40	0.13	SW846 6010C	6/28/17 03:50 LXC	6/30/17 09:14	SRT	A3
Cadmium, Total	ND		mg/L	0.20	0.066	SW846 6010C	6/28/17 03:50 LXC	6/30/17 09:14	SRT	A3
Calcium, Total	7.9J	J	mg/L	10	3.2	SW846 6010C	6/28/17 03:50 LXC	6/30/17 09:14	SRT	A3
Chromium, Total	0.25J	J	mg/L	0.50	0.18	SW846 6010C	6/28/17 03:50 LXC	6/30/17 09:14	SRT	A3
Cobalt, Total	0.70		mg/L	0.50	0.18	SW846 6010C	6/28/17 03:50 LXC	6/30/17 09:14	SRT	A3
Copper, Total	2.6		mg/L	1.0	0.32	SW846 6010C	6/28/17 03:50 LXC	6/30/17 09:14	SRT	A3
Iron, Total	17900		mg/L	6.0	2.0	SW846 6010C	6/28/17 03:50 LXC	6/30/17 09:14	SRT	A3
Lead, Total	1.0		mg/L	0.60	0.20	SW846 6010C	6/28/17 03:50 LXC	6/30/17 09:14	SRT	A3
Magnesium, Total	ND		mg/L	10	3.2	SW846 6010C	6/28/17 03:50 LXC	6/30/17 09:14	SRT	A3
Manganese, Total	130		mg/L	0.50	0.18	SW846 6010C	6/28/17 03:50 LXC	6/30/17 09:14	SRT	A3
Nickel, Total	4.5		mg/L	2.0	0.66	SW846 6010C	6/28/17 03:50 LXC	6/30/17 09:14	SRT	A3
Selenium, Total	ND		mg/L	2.0	0.66	SW846 6010C	6/28/17 03:50 LXC	6/30/17 09:14	SRT	A3
Silver, Total	0.22J	J	mg/L	0.40	0.13	SW846 6010C	6/28/17 03:50 LXC	6/30/17 09:14	SRT	A3
Thallium, Total	ND		mg/L	2.0	0.66	SW846 6010C	6/28/17 03:50 LXC	6/30/17 09:14	SRT	A3
Vanadium, Total	ND		mg/L	0.50	0.18	SW846 6010C	6/28/17 03:50 LXC	6/30/17 09:14	SRT	A3
Zinc, Total	4.2		mg/L	2.0	0.66	SW846 6010C	6/28/17 03:50 LXC	6/30/17 09:14	SRT	A3

*Susan J. Scherer*  
Ms. Susan J Scherer  
Project Coordinator

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## ANALYTICAL RESULTS

Workorder: 2241218 WEN010|2017-EP-S2-14-01 RFP NO

Lab ID:	<b>2241218023</b>	Date Collected:	6/21/2017 17:55	Matrix:	Liquid Waste
Sample ID:	<b>P001-LW-109</b>	Date Received:	6/23/2017 19:50		

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
Total Polychlorinated Biphenyl	ND		ug/L	20.0	20.0	SW846 8082A	6/27/17 08:25 CAC	6/29/17 18:15	EGO	A
<b>VOLATILE ORGANICS</b>										
Acetone	ND		ug/L	5000	1550	SW846 8260B		6/29/17 18:54	TMP	A
Benzene	ND		ug/L	500	115	SW846 8260B		6/29/17 18:54	TMP	A
Bromochloromethane	ND		ug/L	500	160	SW846 8260B		6/29/17 18:54	TMP	A
Bromodichloromethane	ND		ug/L	500	135	SW846 8260B		6/29/17 18:54	TMP	A
Bromoform	ND		ug/L	500	200	SW846 8260B		6/29/17 18:54	TMP	A
Bromomethane	ND		ug/L	500	195	SW846 8260B		6/29/17 18:54	TMP	A
2-Butanone	ND		ug/L	5000	900	SW846 8260B		6/29/17 18:54	TMP	A
Carbon Disulfide	ND		ug/L	500	115	SW846 8260B		6/29/17 18:54	TMP	A
Carbon Tetrachloride	ND		ug/L	500	155	SW846 8260B		6/29/17 18:54	TMP	A
Chlorobenzene	ND		ug/L	500	95.0	SW846 8260B		6/29/17 18:54	TMP	A
Chlorodibromomethane	ND		ug/L	500	225	SW846 8260B		6/29/17 18:54	TMP	A
Chloroethane	ND		ug/L	500	165	SW846 8260B		6/29/17 18:54	TMP	A
Chloroform	ND		ug/L	500	105	SW846 8260B		6/29/17 18:54	TMP	A
Chloromethane	ND		ug/L	500	155	SW846 8260B		6/29/17 18:54	TMP	A
Cyclohexane	ND		ug/L	500	145	SW846 8260B		6/29/17 18:54	TMP	A
1,2-Dibromo-3-chloropropane	ND		ug/L	3500	750	SW846 8260B		6/29/17 18:54	TMP	A
1,2-Dibromoethane	ND		ug/L	500	140	SW846 8260B		6/29/17 18:54	TMP	A
1,2-Dichlorobenzene	ND		ug/L	500	190	SW846 8260B		6/29/17 18:54	TMP	A
1,3-Dichlorobenzene	ND		ug/L	500	125	SW846 8260B		6/29/17 18:54	TMP	A
1,4-Dichlorobenzene	ND		ug/L	500	135	SW846 8260B		6/29/17 18:54	TMP	A
Dichlorodifluoromethane	ND		ug/L	500	165	SW846 8260B		6/29/17 18:54	TMP	A
1,1-Dichloroethane	ND		ug/L	500	140	SW846 8260B		6/29/17 18:54	TMP	A
1,2-Dichloroethane	ND		ug/L	500	160	SW846 8260B		6/29/17 18:54	TMP	A
1,1-Dichloroethene	ND		ug/L	500	145	SW846 8260B		6/29/17 18:54	TMP	A
cis-1,2-Dichloroethene	ND		ug/L	500	160	SW846 8260B		6/29/17 18:54	TMP	A
trans-1,2-Dichloroethene	ND		ug/L	500	130	SW846 8260B		6/29/17 18:54	TMP	A
1,2-Dichloropropane	ND		ug/L	500	120	SW846 8260B		6/29/17 18:54	TMP	A
cis-1,3-Dichloropropene	ND		ug/L	500	155	SW846 8260B		6/29/17 18:54	TMP	A
trans-1,3-Dichloropropene	ND		ug/L	500	145	SW846 8260B		6/29/17 18:54	TMP	A
1,4-Dioxane	ND		ug/L	160000	29500	SW846 8260B		6/29/17 18:54	TMP	A
Ethylbenzene	ND		ug/L	500	170	SW846 8260B		6/29/17 18:54	TMP	A
Freon 113	ND		ug/L	500	130	SW846 8260B		6/29/17 18:54	TMP	A
2-Hexanone	ND		ug/L	2500	650	SW846 8260B		6/29/17 18:54	TMP	A

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## ANALYTICAL RESULTS

Workorder: 2241218 WEN010|2017-EP-S2-14-01 RFP NO

Lab ID:	<b>2241218023</b>	Date Collected:	6/21/2017 17:55	Matrix:	Liquid Waste
Sample ID:	<b>P001-LW-109</b>	Date Received:	6/23/2017 19:50		

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
Isopropylbenzene	ND		ug/L	500	110	SW846 8260B		6/29/17 18:54	TMP	A
Methyl acetate	ND		ug/L	1000	160	SW846 8260B		6/29/17 18:54	TMP	A
Methyl cyclohexane	ND		ug/L	500	150	SW846 8260B		6/29/17 18:54	TMP	A
Methyl t-Butyl Ether	ND		ug/L	500	165	SW846 8260B		6/29/17 18:54	TMP	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/L	2500	750	SW846 8260B		6/29/17 18:54	TMP	A
Methylene Chloride	ND		ug/L	500	225	SW846 8260B		6/29/17 18:54	TMP	A
Styrene	ND		ug/L	500	120	SW846 8260B		6/29/17 18:54	TMP	A
1,1,2,2-Tetrachloroethane	ND		ug/L	500	170	SW846 8260B		6/29/17 18:54	TMP	A
Tetrachloroethene	ND		ug/L	500	175	SW846 8260B		6/29/17 18:54	TMP	A
Toluene	ND		ug/L	500	115	SW846 8260B		6/29/17 18:54	TMP	A
Total Xylenes	ND		ug/L	1500	330	SW846 8260B		6/29/17 18:54	TMP	A
1,2,3-Trichlorobenzene	ND		ug/L	1000	465	SW846 8260B		6/29/17 18:54	TMP	A
1,2,4-Trichlorobenzene	ND		ug/L	1000	410	SW846 8260B		6/29/17 18:54	TMP	A
1,1,1-Trichloroethane	ND		ug/L	500	110	SW846 8260B		6/29/17 18:54	TMP	A
1,1,2-Trichloroethane	ND		ug/L	500	165	SW846 8260B		6/29/17 18:54	TMP	A
Trichloroethene	ND		ug/L	500	165	SW846 8260B		6/29/17 18:54	TMP	A
Trichlorofluoromethane	ND		ug/L	500	120	SW846 8260B		6/29/17 18:54	TMP	A
Vinyl Chloride	ND		ug/L	500	150	SW846 8260B		6/29/17 18:54	TMP	A
o-Xylene	ND		ug/L	500	165	SW846 8260B		6/29/17 18:54	TMP	A
mp-Xylene	ND		ug/L	1000	260	SW846 8260B		6/29/17 18:54	TMP	A
<b>Surrogate Recoveries</b>	<b>Results</b>	<b>Flag</b>	<b>Units</b>	<b>Limits</b>		<b>Method</b>	<b>Prepared</b>	<b>By</b>	<b>Analyzed</b>	<b>By</b>
1,2-Dichloroethane-d4 (S)	103		%	62 - 133		SW846 8260B		6/29/17 18:54	TMP	A
4-Bromofluorobenzene (S)	92.9		%	79 - 114		SW846 8260B		6/29/17 18:54	TMP	A
Dibromofluoromethane (S)	64.5	1	%	78 - 116		SW846 8260B		6/29/17 18:54	TMP	A
Toluene-d8 (S)	99.4		%	76 - 127		SW846 8260B		6/29/17 18:54	TMP	A
<b>SEMIVOLATILES</b>										
Acenaphthene	34.7J	J	ug/L	60.0	6.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 22:14	CGS	A
Acenaphthylene	ND		ug/L	60.0	7.6	SW846 8270D	6/28/17 10:30 JTH	6/29/17 22:14	CGS	A
Acetophenone	ND		ug/L	120	9.6	SW846 8270D	6/28/17 10:30 JTH	6/29/17 22:14	CGS	A
Anthracene	25.3J	J	ug/L	60.0	6.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 22:14	CGS	A
Atrazine	ND		ug/L	120	9.6	SW846 8270D	6/28/17 10:30 JTH	6/29/17 22:14	CGS	A
Benzaldehyde	ND		ug/L	120	10.4	SW846 8270D	6/28/17 10:30 JTH	6/29/17 22:14	CGS	A
Benzo(a)anthracene	ND		ug/L	60.0	5.2	SW846 8270D	6/28/17 10:30 JTH	6/29/17 22:14	CGS	A
Benzo(a)pyrene	ND		ug/L	60.0	8.8	SW846 8270D	6/28/17 10:30 JTH	6/29/17 22:14	CGS	A
Benzo(b)fluoranthene	ND		ug/L	60.0	4.4	SW846 8270D	6/28/17 10:30 JTH	6/29/17 22:14	CGS	A
Benzo(g,h,i)perylene	ND		ug/L	60.0	8.8	SW846 8270D	6/28/17 10:30 JTH	6/29/17 22:14	CGS	A
Benzo(k)fluoranthene	ND		ug/L	60.0	7.6	SW846 8270D	6/28/17 10:30 JTH	6/29/17 22:14	CGS	A

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## ANALYTICAL RESULTS

Workorder: 2241218 WEN010|2017-EP-S2-14-01 RFP NO

Lab ID: **2241218023** Date Collected: 6/21/2017 17:55 Matrix: Liquid Waste  
Sample ID: **P001-LW-109** Date Received: 6/23/2017 19:50

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
Biphenyl	ND		ug/L	120	6.8	SW846 8270D	6/28/17 10:30 JTH	6/29/17 22:14	CGS	A
4-Bromophenyl-phenylether	ND		ug/L	120	6.8	SW846 8270D	6/28/17 10:30 JTH	6/29/17 22:14	CGS	A
Butylbenzylphthalate	ND		ug/L	120	4.4	SW846 8270D	6/28/17 10:30 JTH	6/29/17 22:14	CGS	A
Caprolactam	ND		ug/L	120	11.2	SW846 8270D	6/28/17 10:30 JTH	6/29/17 22:14	CGS	A
Carbazole	ND		ug/L	120	4.8	SW846 8270D	6/28/17 10:30 JTH	6/29/17 22:14	CGS	A
4-Chloro-3-methylphenol	ND		ug/L	120	7.6	SW846 8270D	6/28/17 10:30 JTH	6/29/17 22:14	CGS	A
4-Chloroaniline	ND		ug/L	120	8.4	SW846 8270D	6/28/17 10:30 JTH	6/29/17 22:14	CGS	A
bis(2-Chloroethoxy)methane	ND		ug/L	120	8.4	SW846 8270D	6/28/17 10:30 JTH	6/29/17 22:14	CGS	A
bis(2-Chloroethyl)ether	ND		ug/L	120	6.8	SW846 8270D	6/28/17 10:30 JTH	6/29/17 22:14	CGS	A
bis(2-Chloroisopropyl)ether	ND		ug/L	120	11.2	SW846 8270D	6/28/17 10:30 JTH	6/29/17 22:14	CGS	A
2-Chloronaphthalene	ND		ug/L	120	7.2	SW846 8270D	6/28/17 10:30 JTH	6/29/17 22:14	CGS	A
2-Chlorophenol	ND		ug/L	120	13.2	SW846 8270D	6/28/17 10:30 JTH	6/29/17 22:14	CGS	A
4-Chlorophenyl-phenylether	ND		ug/L	120	5.6	SW846 8270D	6/28/17 10:30 JTH	6/29/17 22:14	CGS	A
Chrysene	ND		ug/L	60.0	4.8	SW846 8270D	6/28/17 10:30 JTH	6/29/17 22:14	CGS	A
mp-Cresol	14.3J	J	ug/L	120	6.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 22:14	CGS	A
o-Cresol	ND		ug/L	120	10.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 22:14	CGS	A
Di-n-Butylphthalate	10.2J	J	ug/L	120	5.6	SW846 8270D	6/28/17 10:30 JTH	6/29/17 22:14	CGS	A
Di-n-Octylphthalate	ND		ug/L	120	4.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 22:14	CGS	A
Dibenzo(a,h)anthracene	ND		ug/L	60.0	8.4	SW846 8270D	6/28/17 10:30 JTH	6/29/17 22:14	CGS	A
Dibenzofuran	ND		ug/L	120	4.4	SW846 8270D	6/28/17 10:30 JTH	6/29/17 22:14	CGS	A
3,3-Dichlorobenzidine	ND		ug/L	120	19.2	SW846 8270D	6/28/17 10:30 JTH	6/29/17 22:14	CGS	A
2,4-Dichlorophenol	ND		ug/L	120	12.8	SW846 8270D	6/28/17 10:30 JTH	6/29/17 22:14	CGS	A
Diethylphthalate	ND		ug/L	120	7.2	SW846 8270D	6/28/17 10:30 JTH	6/29/17 22:14	CGS	A
2,4-Dimethylphenol	ND		ug/L	120	8.4	SW846 8270D	6/28/17 10:30 JTH	6/29/17 22:14	CGS	A
Dimethylphthalate	ND		ug/L	120	5.6	SW846 8270D	6/28/17 10:30 JTH	6/29/17 22:14	CGS	A
2,4-Dinitrophenol	ND		ug/L	240	72.4	SW846 8270D	6/28/17 10:30 JTH	6/29/17 22:14	CGS	A
2,4-Dinitrotoluene	ND		ug/L	120	4.8	SW846 8270D	6/28/17 10:30 JTH	6/29/17 22:14	CGS	A
2,6-Dinitrotoluene	ND		ug/L	120	8.4	SW846 8270D	6/28/17 10:30 JTH	6/29/17 22:14	CGS	A
1,4-Dioxane	ND		ug/L	120	27.6	SW846 8270D	6/28/17 10:30 JTH	6/29/17 22:14	CGS	A
bis(2-Ethylhexyl)phthalate	ND		ug/L	120	8.8	SW846 8270D	6/28/17 10:30 JTH	6/29/17 22:14	CGS	A
Fluoranthene	14.8J	J	ug/L	60.0	6.8	SW846 8270D	6/28/17 10:30 JTH	6/29/17 22:14	CGS	A
Fluorene	46.9J	J	ug/L	60.0	8.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 22:14	CGS	A
Hexachlorobenzene	ND		ug/L	120	9.2	SW846 8270D	6/28/17 10:30 JTH	6/29/17 22:14	CGS	A
Hexachlorobutadiene	ND		ug/L	120	7.6	SW846 8270D	6/28/17 10:30 JTH	6/29/17 22:14	CGS	A
Hexachlorocyclopentadiene	ND		ug/L	120	6.8	SW846 8270D	6/28/17 10:30 JTH	6/29/17 22:14	CGS	A
Hexachloroethane	ND		ug/L	120	12.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 22:14	CGS	A
Indeno(1,2,3-cd)pyrene	ND		ug/L	60.0	4.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 22:14	CGS	A
Isophorone	ND		ug/L	120	6.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 22:14	CGS	A

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## ANALYTICAL RESULTS

Workorder: 2241218 WEN010|2017-EP-S2-14-01 RFP NO

Lab ID: **2241218023** Date Collected: 6/21/2017 17:55 Matrix: Liquid Waste  
Sample ID: **P001-LW-109** Date Received: 6/23/2017 19:50

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
2-Methyl-4,6-dinitrophenol	ND		ug/L	240	13.2	SW846 8270D	6/28/17 10:30 JTH	6/29/17 22:14	CGS	A
2-Methylnaphthalene	ND		ug/L	60.0	6.4	SW846 8270D	6/28/17 10:30 JTH	6/29/17 22:14	CGS	A
Naphthalene	ND		ug/L	60.0	4.8	SW846 8270D	6/28/17 10:30 JTH	6/29/17 22:14	CGS	A
2-Nitroaniline	ND		ug/L	120	8.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 22:14	CGS	A
3-Nitroaniline	ND		ug/L	120	7.2	SW846 8270D	6/28/17 10:30 JTH	6/29/17 22:14	CGS	A
4-Nitroaniline	ND		ug/L	120	16.4	SW846 8270D	6/28/17 10:30 JTH	6/29/17 22:14	CGS	A
Nitrobenzene	ND		ug/L	120	11.2	SW846 8270D	6/28/17 10:30 JTH	6/29/17 22:14	CGS	A
2-Nitrophenol	ND		ug/L	120	18.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 22:14	CGS	A
4-Nitrophenol	ND		ug/L	120	42.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 22:14	CGS	A
N-Nitroso-di-n-propylamine	ND		ug/L	120	9.6	SW846 8270D	6/28/17 10:30 JTH	6/29/17 22:14	CGS	A
N-Nitrosodiphenylamine	ND		ug/L	120	7.2	SW846 8270D	6/28/17 10:30 JTH	6/29/17 22:14	CGS	A
Pentachlorophenol	ND		ug/L	240	42.8	SW846 8270D	6/28/17 10:30 JTH	6/29/17 22:14	CGS	A
Phenanthrone	143		ug/L	60.0	5.2	SW846 8270D	6/28/17 10:30 JTH	6/29/17 22:14	CGS	A
Phenol	ND		ug/L	320	9.2	SW846 8270D	6/28/17 10:30 JTH	6/29/17 22:14	CGS	A
Pyrene	48.7J	J	ug/L	60.0	6.4	SW846 8270D	6/28/17 10:30 JTH	6/29/17 22:14	CGS	A
1,2,4,5-Tetrachlorobenzene	ND		ug/L	120	7.6	SW846 8270D	6/28/17 10:30 JTH	6/29/17 22:14	CGS	A
2,3,4,6-Tetrachlorophenol	ND		ug/L	120	19.2	SW846 8270D	6/28/17 10:30 JTH	6/29/17 22:14	CGS	A
2,4,5-Trichlorophenol	ND		ug/L	120	22.0	SW846 8270D	6/28/17 10:30 JTH	6/29/17 22:14	CGS	A
2,4,6-Trichlorophenol	ND		ug/L	120	22.8	SW846 8270D	6/28/17 10:30 JTH	6/29/17 22:14	CGS	A
<b>Surrogate Recoveries</b>	<b>Results</b>	<b>Flag</b>	<b>Units</b>	<b>Limits</b>		<b>Method</b>	<b>Prepared</b>	<b>By</b>	<b>Analyzed</b>	<b>By</b>
2,4,6-Tribromophenol (S)	105		%	47 - 128		SW846 8270D	6/28/17 10:30 JTH	6/29/17 22:14	CGS	A
2-Fluorobiphenyl (S)	76.9		%	52 - 118		SW846 8270D	6/28/17 10:30 JTH	6/29/17 22:14	CGS	A
2-Fluorophenol (S)	55.9		%	20 - 87		SW846 8270D	6/28/17 10:30 JTH	6/29/17 22:14	CGS	A
Nitrobenzene-d5 (S)	89.3		%	27 - 139		SW846 8270D	6/28/17 10:30 JTH	6/29/17 22:14	CGS	A
Phenol-d5 (S)	36.8		%	10 - 81		SW846 8270D	6/28/17 10:30 JTH	6/29/17 22:14	CGS	A
Terphenyl-d14 (S)	88.7		%	46 - 133		SW846 8270D	6/28/17 10:30 JTH	6/29/17 22:14	CGS	A
<b>PCBs</b>										
Aroclor-1016	ND		ug/L	20.0	2.4	SW846 8082A	6/27/17 08:25 CAC	6/29/17 18:15	EGO	A
Aroclor-1221	ND		ug/L	20.0	2.8	SW846 8082A	6/27/17 08:25 CAC	6/29/17 18:15	EGO	A
Aroclor-1232	ND		ug/L	20.0	7.6	SW846 8082A	6/27/17 08:25 CAC	6/29/17 18:15	EGO	A
Aroclor-1242	ND		ug/L	20.0	9.6	SW846 8082A	6/27/17 08:25 CAC	6/29/17 18:15	EGO	A
Aroclor-1248	ND		ug/L	20.0	5.6	SW846 8082A	6/27/17 08:25 CAC	6/29/17 18:15	EGO	A
Aroclor-1254	ND		ug/L	20.0	4.0	SW846 8082A	6/27/17 08:25 CAC	6/29/17 18:15	EGO	A
Aroclor-1260	ND		ug/L	20.0	2.8	SW846 8082A	6/27/17 08:25 CAC	6/29/17 18:15	EGO	A
Aroclor-1262	ND		ug/L	20.0	4.0	SW846 8082A	6/27/17 08:25 CAC	6/29/17 18:15	EGO	A
Aroclor-1268	ND		ug/L	20.0	6.8	SW846 8082A	6/27/17 08:25 CAC	6/29/17 18:15	EGO	A
<b>Surrogate Recoveries</b>	<b>Results</b>	<b>Flag</b>	<b>Units</b>	<b>Limits</b>		<b>Method</b>	<b>Prepared</b>	<b>By</b>	<b>Analyzed</b>	<b>By</b>

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## ANALYTICAL RESULTS

Workorder: 2241218 WEN010|2017-EP-S2-14-01 RFP NO

Lab ID:	<b>2241218023</b>	Date Collected:	6/21/2017 17:55	Matrix:	Liquid Waste
Sample ID:	<b>P001-LW-109</b>	Date Received:	6/23/2017 19:50		

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
Decachlorobiphenyls (S)	87.9		%	30 - 140		SW846 8082A	6/27/17 08:25 CAC	6/29/17 18:15	EGO	A
Tetrachloro-m-xylene (S)	60.7		%	30 - 133		SW846 8082A	6/27/17 08:25 CAC	6/29/17 18:15	EGO	A
<b>PESTICIDES</b>										
Aldrin	ND		ug/L	0.80	0.20	SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:50	RWS	A
alpha-BHC	ND		ug/L	0.80	0.080	SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:50	RWS	A
beta-BHC	ND		ug/L	0.80	0.32	SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:50	RWS	A
delta-BHC	ND		ug/L	0.80	0.12	SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:50	RWS	A
gamma-BHC	ND		ug/L	0.80	0.12	SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:50	RWS	A
alpha-Chlordane	ND		ug/L	0.80	0.12	SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:50	RWS	A
gamma-Chlordane	ND		ug/L	0.80	0.12	SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:50	RWS	A
4,4'-DDD	ND		ug/L	0.80	0.28	SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:50	RWS	A
4,4'-DDE	ND		ug/L	0.80	0.28	SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:50	RWS	A
4,4'-DDT	ND		ug/L	0.80	0.24	SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:50	RWS	A
Dieldrin	ND		ug/L	0.80	0.12	SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:50	RWS	A
Endosulfan I	ND		ug/L	0.80	0.12	SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:50	RWS	A
Endosulfan II	ND		ug/L	0.80	0.24	SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:50	RWS	A
Endosulfan Sulfate	ND		ug/L	0.80	0.16	SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:50	RWS	A
Endrin	ND		ug/L	0.80	0.32	SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:50	RWS	A
Endrin Aldehyde	ND		ug/L	0.80	0.40	SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:50	RWS	A
Endrin Ketone	ND		ug/L	0.80	0.16	SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:50	RWS	A
Heptachlor	ND		ug/L	0.80	0.12	SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:50	RWS	A
Heptachlor Epoxide	ND		ug/L	0.80	0.16	SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:50	RWS	A
Methoxychlor	ND		ug/L	0.80	0.36	SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:50	RWS	A
Toxaphene	ND		ug/L	40.0	7.6	SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:50	RWS	A
<i>Surrogate Recoveries</i>										
Decachlorobiphenyls (S)	76.4		%	30 - 140		SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:50	RWS	A
Tetrachloro-m-xylene (S)	57.7		%	30 - 123		SW846 8081B	6/27/17 08:25 CAC	6/30/17 17:50	RWS	A
<b>WET CHEMISTRY</b>										
Corrosivity as pH	6.54	4	pH_Units			SW846 9040C		6/27/17 12:04	MBW	A
Cyanide, Reactive	ND		ppm	10	0.011	SW-846 7.3CN	6/28/17 17:00 AHI	6/29/17 14:01	CTD	A
Cyanide, Total	ND		mg/L	0.050	0.022	SW846 9012B	6/27/17 11:13 CTD	6/28/17 13:50	KXK	A
Flashpoint/Ignitability	See comment	2,3	Deg. F			SW-846 1010A		6/30/17 09:00	SDL	A
Sulfide, Reactive	ND		ppm	6.2	1.2	SW846 7.3	6/28/17 17:00 AHI	6/30/17 11:15	AHI	A
<b>METALS</b>										
Aluminum, Total	2.1J	J	mg/L	5.0	1.6	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:47	SRT	A3
Antimony, Total	ND		mg/L	0.99	0.45	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:47	SRT	A3

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## ANALYTICAL RESULTS

Workorder: 2241218 WEN010|2017-EP-S2-14-01 RFP NO

Lab ID:	<b>2241218023</b>	Date Collected:	6/21/2017 17:55	Matrix:	Liquid Waste
Sample ID:	<b>P001-LW-109</b>	Date Received:	6/23/2017 19:50		

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
Arsenic, Total	ND		mg/L	0.41	0.14	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:47	SRT	A3
Barium, Total	ND		mg/L	0.50	0.16	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:47	SRT	A3
Beryllium, Total	ND		mg/L	0.20	0.063	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:47	SRT	A3
Cadmium, Total	ND		mg/L	0.099	0.033	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:47	SRT	A3
Calcium, Total	171		mg/L	5.0	1.6	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:47	SRT	A3
Chromium, Total	ND		mg/L	0.25	0.090	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:47	SRT	A3
Cobalt, Total	ND		mg/L	0.25	0.090	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:47	SRT	A3
Copper, Total	ND		mg/L	0.50	0.16	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:47	SRT	A3
Iron, Total	ND		mg/L	3.0	0.99	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:47	SRT	A3
Lead, Total	ND		mg/L	0.30	0.099	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:47	SRT	A3
Magnesium, Total	31.6		mg/L	5.0	1.6	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:47	SRT	A3
Manganese, Total	ND		mg/L	0.25	0.090	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:47	SRT	A3
Mercury, Total	ND		mg/L	0.013	0.0042	SW846 7470A	6/28/17 00:25 AXC	6/28/17 04:26	AXC	A2
Nickel, Total	ND		mg/L	0.99	0.33	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:47	SRT	A3
Potassium, Total	33.6		mg/L	25.0	8.1	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:47	SRT	A3
Selenium, Total	ND		mg/L	0.99	0.33	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:47	SRT	A3
Silver, Total	ND		mg/L	0.20	0.063	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:47	SRT	A3
Sodium, Total	41.4		mg/L	25.0	8.1	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:47	SRT	A3
Thallium, Total	ND		mg/L	0.99	0.33	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:47	SRT	A3
Vanadium, Total	ND		mg/L	0.25	0.090	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:47	SRT	A3
Zinc, Total	1.4		mg/L	0.99	0.33	SW846 6010C	6/28/17 03:50 LXC	6/29/17 15:47	SRT	A3

Ms. Susan J Scherer

Project Coordinator

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#### PARAMETER QUALIFIERS

Lab ID	#	Sample ID	Analytical Method	Analyte
2241218001	1	P001-LW-006	SW846 8260B	Dibromofluoromethane
The surrogate Dibromofluoromethane for method SW846 8260B was outside of control limits. The % Recovery was reported as 77.6 and the control limits were 78 to 116. This result was reported at a dilution of 500.				
2241218001	2	P001-LW-006	SW846 8082A	Decachlorobiphenyls
The surrogate Decachlorobiphenyls for method SW846 8082A was outside of control limits. The % Recovery was reported as 10.1 and the control limits were 30 to 140. This result was reported at a dilution of 1.				
2241218001	3	P001-LW-006	SW-846 1010A	Flashpoint/Ignitability
According to Pa/USEPA regulations, this sample is not considered to be ignitable. (Ref 40 CFR 261.21)				
2241218001	4	P001-LW-006	SW-846 1010A	Flashpoint/Ignitability
Sample did not flash up to 200 degrees F				
2241218001	5	P001-LW-006	SW846 9040C	Corrosivity as pH
The corrosivity analysis is an "analyze immediately" analysis. Parameters identified as "analyze immediately" require analysis within 15 minutes of collection, and are therefore analyzed outside of the method holding time when analyzed in the laboratory.				
2241218002	1	P001-LW-008	SW846 8260B	Dibromofluoromethane
The surrogate Dibromofluoromethane for method SW846 8260B was outside of control limits. The % Recovery was reported as 70.2 and the control limits were 78 to 116. This result was reported at a dilution of 500.				
2241218002	2	P001-LW-008	SW-846 1010A	Flashpoint/Ignitability
According to Pa/USEPA regulations, this sample is not considered to be ignitable. (Ref 40 CFR 261.21)				
2241218002	3	P001-LW-008	SW-846 1010A	Flashpoint/Ignitability
Sample did not flash up to 200 degrees F				
2241218002	4	P001-LW-008	SW846 9040C	Corrosivity as pH
The corrosivity analysis is an "analyze immediately" analysis. Parameters identified as "analyze immediately" require analysis within 15 minutes of collection, and are therefore analyzed outside of the method holding time when analyzed in the laboratory.				
2241218003	1	P001-LW-020	SW846 8270D	3,3-Dichlorobenzidine
The QC sample type LCS for method SW846 8270D was outside the control limits for the analyte 3,3-Dichlorobenzidine. The % Recovery was reported as 47.9 and the control limits were 50 to 200.				
2241218003	2	P001-LW-020	SW846 8270D	Nitrobenzene-d5
The surrogate Nitrobenzene-d5 for method SW846 8270D was outside of control limits. The % Recovery was reported as 205 and the control limits were 50 to 150. This result was reported at a dilution of 10.				
2241218005	1	P001-LW-026	SW-846 1010A	Flashpoint/Ignitability
According to Pa/USEPA regulations, this sample is not considered to be ignitable. (Ref 40 CFR 261.21)				
2241218005	2	P001-LW-026	SW-846 1010A	Flashpoint/Ignitability
Sample did not flash up to 200 degrees F				
2241218005	3	P001-LW-026	SW846 9040C	Corrosivity as pH
The corrosivity analysis is an "analyze immediately" analysis. Parameters identified as "analyze immediately" require analysis within 15 minutes of collection, and are therefore analyzed outside of the method holding time when analyzed in the laboratory.				
2241218006	1	P001-LW-028	SW-846 1010A	Flashpoint/Ignitability
According to Pa/USEPA regulations, this sample is not considered to be ignitable. (Ref 40 CFR 261.21)				
2241218006	2	P001-LW-028	SW-846 1010A	Flashpoint/Ignitability
Sample did flash up to 200 degrees F				
2241218006	3	P001-LW-028	SW846 9045D	Corrosivity as pH
The corrosivity analysis is an "analyze immediately" analysis. Parameters identified as "analyze immediately" require analysis within 15 minutes of collection, and are therefore analyzed outside of the method holding time when analyzed in the laboratory.				
2241218006	4	P001-LW-028	SW846 9045D	Corrosivity as pH
The solid pH measured in water was 6.857 at 20.6 degrees C.				
2241218007	1	P001-LW-029	SW-846 1010A	Flashpoint/Ignitability
According to Pa/USEPA regulations, this sample is not considered to be ignitable. (Ref 40 CFR 261.21)				

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## ANALYTICAL RESULTS

Workorder: 2241218 WEN010|2017-EP-S2-14-01 RFP NO

<b>2241218007</b>	2	P001-LW-029	SW-846 1010A	Flashpoint/Ignitability
Sample did flash up to 200 degrees F				
<b>2241218007</b>	3	P001-LW-029	SW846 9040C	Corrosivity as pH
The corrosivity analysis is an "analyze immediately" analysis. Parameters identified as "analyze immediately" require analysis within 15 minutes of collection, and are therefore analyzed outside of the method holding time when analyzed in the laboratory.				
<b>2241218008</b>	1	P001-LW-031	SW-846 1010A	Flashpoint/Ignitability
According to Pa/USEPA regulations, this sample is not considered to be ignitable. (Ref 40 CFR 261.21)				
<b>2241218008</b>	2	P001-LW-031	SW-846 1010A	Flashpoint/Ignitability
Sample did flash up to 200 degrees F				
<b>2241218008</b>	3	P001-LW-031	SW846 8270D	3,3-Dichlorobenzidine
The QC sample type LCS for method SW846 8270D was outside the control limits for the analyte 3,3-Dichlorobenzidine. The % Recovery was reported as 47.9 and the control limits were 50 to 200.				
<b>2241218008</b>	4	P001-LW-031	SW846 9045D	Corrosivity as pH
The corrosivity analysis is an "analyze immediately" analysis. Parameters identified as "analyze immediately" require analysis within 15 minutes of collection, and are therefore analyzed outside of the method holding time when analyzed in the laboratory.				
<b>2241218008</b>	5	P001-LW-031	SW846 9045D	Corrosivity as pH
The solid pH measured in water was 9.296 at 20.2 degrees C.				
<b>2241218008</b>	6	P001-LW-031	SW846 8260B	1,4-Dioxane
The QC sample type LCS for method SW846 8260B was outside the control limits for the analyte 1,4-Dioxane. The % Recovery was reported as 1.11 and the control limits were 8 to 243.				
<b>2241218008</b>	7	P001-LW-031	SW846 8260B	Methyl acetate
The QC sample type LCS for method SW846 8260B was outside the control limits for the analyte Methyl acetate. The % Recovery was reported as 62.8 and the control limits were 70 to 130.				
<b>2241218008</b>	8	P001-LW-031	SW846 8260B	2-Hexanone
The QC sample type LCS for method SW846 8260B was outside the control limits for the analyte 2-Hexanone. The % Recovery was reported as 61.7 and the control limits were 66 to 133.				
<b>2241218009</b>	1	P001-LW-034	SW-846 1010A	Flashpoint/Ignitability
According to Pa/USEPA regulations, this sample is not considered to be ignitable. (Ref 40 CFR 261.21)				
<b>2241218009</b>	2	P001-LW-034	SW-846 1010A	Flashpoint/Ignitability
Sample did flash up to 200 degrees F				
<b>2241218009</b>	3	P001-LW-034	SW846 9040C	Corrosivity as pH
The corrosivity analysis is an "analyze immediately" analysis. Parameters identified as "analyze immediately" require analysis within 15 minutes of collection, and are therefore analyzed outside of the method holding time when analyzed in the laboratory.				
<b>2241218010</b>	1	P001-LW-040	SW846 8260B	Dibromofluoromethane
The surrogate Dibromofluoromethane for method SW846 8260B was outside of control limits. The % Recovery was reported as 69.3 and the control limits were 78 to 116. This result was reported at a dilution of 500.				
<b>2241218010</b>	2	P001-LW-040	SW846 8270D	Terphenyl-d14
The surrogate Terphenyl-d14 for method SW846 8270D was outside of control limits. The % Recovery was reported as 26.5 and the control limits were 46 to 133. This result was reported at a dilution of 10.				
<b>2241218010</b>	3	P001-LW-040	SW846 8082A	Tetrachloro-m-xylene
The surrogate Tetrachloro-m-xylene for method SW846 8082A was outside of control limits. The % Recovery was reported as 9.74 and the control limits were 30 to 133. This result was reported at a dilution of 1.				
<b>2241218010</b>	4	P001-LW-040	SW846 8082A	Decachlorobiphenyls
The surrogate Decachlorobiphenyls for method SW846 8082A was outside of control limits. The % Recovery was reported as 10.7 and the control limits were 30 to 140. This result was reported at a dilution of 1.				

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**ALS Environmental**34 Dogwood Lane ■ Middletown, PA 17057 ■ Phone: 717-944-5541 ■ Fax: 717-944-1430 ■ [www.alsglobal.com](http://www.alsglobal.com)NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 DoD ELAP: A2LA 0818.01  
State Certifications: DE ID 11 , MA PA0102 , MD 128 , VA 460157 , WV 343

## ANALYTICAL RESULTS

Workorder: 2241218 WEN010|2017-EP-S2-14-01 RFP NO

**2241218010** 5 P001-LW-040 SW-846 1010A Flashpoint/Ignitability

According to Pa/USEPA regulations, this sample is not considered to be ignitable. (Ref 40 CFR 261.21)

**2241218010** 6 P001-LW-040 SW-846 1010A Flashpoint/Ignitability

Sample did flash up to 200 degrees F

**2241218010** 7 P001-LW-040 SW846 9040C Corrosivity as pH

The corrosivity analysis is an "analyze immediately" analysis. Parameters identified as "analyze immediately" require analysis within 15 minutes of collection, and are therefore analyzed outside of the method holding time when analyzed in the laboratory.

**2241218013** 1 P001-LW-046 SW846 8260B Dibromofluoromethane

The surrogate Dibromofluoromethane for method SW846 8260B was outside of control limits. The % Recovery was reported as 69.1 and the control limits were 78 to 116. This result was reported at a dilution of 500.

**2241218013** 2 P001-LW-046 SW846 8270D Phenol-d5

The surrogate Phenol-d5 for method SW846 8270D was outside of control limits. The % Recovery was reported as 0 and the control limits were 10 to 81. This result was reported at a dilution of 10.

**2241218013** 3 P001-LW-046 SW846 8270D 2,4,6-Tribromophenol

The surrogate 2,4,6-Tribromophenol for method SW846 8270D was outside of control limits. The % Recovery was reported as 0 and the control limits were 47 to 128. This result was reported at a dilution of 10.

**2241218014** 1 P001-LW-047 SW846 8260B Dibromofluoromethane

The surrogate Dibromofluoromethane for method SW846 8260B was outside of control limits. The % Recovery was reported as 67.1 and the control limits were 78 to 116. This result was reported at a dilution of 500.

**2241218014** 2 P001-LW-047 SW846 8270D Phenol-d5

The surrogate Phenol-d5 for method SW846 8270D was outside of control limits. The % Recovery was reported as 115 and the control limits were 10 to 81. This result was reported at a dilution of 10.

**2241218015** 1 P001-LW-049 SW846 8260B Dibromofluoromethane

The surrogate Dibromofluoromethane for method SW846 8260B was outside of control limits. The % Recovery was reported as 67.3 and the control limits were 78 to 116. This result was reported at a dilution of 500.

**2241218015** 2 P001-LW-049 SW-846 1010A Flashpoint/Ignitability

According to Pa/USEPA regulations, this sample is not considered to be ignitable. (Ref 40 CFR 261.21)

**2241218015** 3 P001-LW-049 SW-846 1010A Flashpoint/Ignitability

Sample did flash up to 200 degrees F

**2241218015** 4 P001-LW-049 SW846 9040C Corrosivity as pH

The corrosivity analysis is an "analyze immediately" analysis. Parameters identified as "analyze immediately" require analysis within 15 minutes of collection, and are therefore analyzed outside of the method holding time when analyzed in the laboratory.

**2241218016** 1 P001-LW-055 SW-846 1010A Flashpoint/Ignitability

According to Pa/USEPA regulations, this sample is not considered to be ignitable. (Ref 40 CFR 261.21)

**2241218016** 2 P001-LW-055 SW-846 1010A Flashpoint/Ignitability

Sample did flash up to 200 degrees F

**2241218016** 3 P001-LW-055 SW846 9040C Corrosivity as pH

The corrosivity analysis is an "analyze immediately" analysis. Parameters identified as "analyze immediately" require analysis within 15 minutes of collection, and are therefore analyzed outside of the method holding time when analyzed in the laboratory.

**2241218018** 1 P001-LW-057 SW-846 1010A Flashpoint/Ignitability

According to Pa/USEPA regulations, this sample is not considered to be ignitable. (Ref 40 CFR 261.21)

**2241218018** 2 P001-LW-057 SW-846 1010A Flashpoint/Ignitability

Sample did flash up to 200 degrees F

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State Certifications: DE ID 11 , MA PA0102 , MD 128 , VA 460157 , WV 343

## ANALYTICAL RESULTS

Workorder: 2241218 WEN010|2017-EP-S2-14-01 RFP NO

<b>2241218018</b>	3	P001-LW-057	SW846 8270D	3,3-Dichlorobenzidine
The QC sample type LCS for method SW846 8270D was outside the control limits for the analyte 3,3-Dichlorobenzidine. The % Recovery was reported as 47.9 and the control limits were 50 to 200.				
<b>2241218018</b>	4	P001-LW-057	SW846 9045D	Corrosivity as pH
The corrosivity analysis is an "analyze immediately" analysis. Parameters identified as "analyze immediately" require analysis within 15 minutes of collection, and are therefore analyzed outside of the method holding time when analyzed in the laboratory.				
<b>2241218018</b>	5	P001-LW-057	SW846 9045D	Corrosivity as pH
The solid pH measured in water was 5.943 at 20.7 degrees C.				
<b>2241218019</b>	1	P001-LW-077	SW-846 1010A	Flashpoint/Ignitability
According to Pa/USEPA regulations, this sample is not considered to be ignitable. (Ref 40 CFR 261.21)				
<b>2241218019</b>	2	P001-LW-077	SW-846 1010A	Flashpoint/Ignitability
Sample did flash up to 200 degrees F				
<b>2241218019</b>	3	P001-LW-077	SW846 9040C	Corrosivity as pH
The corrosivity analysis is an "analyze immediately" analysis. Parameters identified as "analyze immediately" require analysis within 15 minutes of collection, and are therefore analyzed outside of the method holding time when analyzed in the laboratory.				
<b>2241218020</b>	1	P001-LW-086	SW846 8260B	Dibromofluoromethane
The surrogate Dibromofluoromethane for method SW846 8260B was outside of control limits. The % Recovery was reported as 71 and the control limits were 78 to 116. This result was reported at a dilution of 500.				
<b>2241218020</b>	2	P001-LW-086	SW846 8270D	Nitrobenzene-d5
The surrogate Nitrobenzene-d5 for method SW846 8270D was outside of control limits. The % Recovery was reported as 0 and the control limits were 27 to 139. This result was reported at a dilution of 10.				
<b>2241218020</b>	3	P001-LW-086	SW846 8270D	2-Fluorobiphenyl
The surrogate 2-Fluorobiphenyl for method SW846 8270D was outside of control limits. The % Recovery was reported as 0 and the control limits were 52 to 118. This result was reported at a dilution of 10.				
<b>2241218020</b>	4	P001-LW-086	SW846 8270D	2,4,6-Tribromophenol
The surrogate 2,4,6-Tribromophenol for method SW846 8270D was outside of control limits. The % Recovery was reported as 0 and the control limits were 47 to 128. This result was reported at a dilution of 10.				
<b>2241218020</b>	5	P001-LW-086	SW846 8270D	Terphenyl-d14
The surrogate Terphenyl-d14 for method SW846 8270D was outside of control limits. The % Recovery was reported as 0 and the control limits were 46 to 133. This result was reported at a dilution of 10.				
<b>2241218021</b>	1	P001-LW-107	SW-846 1010A	Flashpoint/Ignitability
According to Pa/USEPA regulations, this sample is not considered to be ignitable. (Ref 40 CFR 261.21)				
<b>2241218021</b>	2	P001-LW-107	SW-846 1010A	Flashpoint/Ignitability
Sample did flash up to 200 degrees F				
<b>2241218021</b>	3	P001-LW-107	SW846 9040C	Corrosivity as pH
The corrosivity analysis is an "analyze immediately" analysis. Parameters identified as "analyze immediately" require analysis within 15 minutes of collection, and are therefore analyzed outside of the method holding time when analyzed in the laboratory.				
<b>2241218022</b>	1	P001-LW-108	SW846 8260B	Dibromofluoromethane
The surrogate Dibromofluoromethane for method SW846 8260B was outside of control limits. The % Recovery was reported as 67.6 and the control limits were 78 to 116. This result was reported at a dilution of 500.				
<b>2241218022</b>	2	P001-LW-108	SW846 8082A	Decachlorobiphenyls
The surrogate Decachlorobiphenyls for method SW846 8082A was outside of control limits. The % Recovery was reported as 28.1 and the control limits were 30 to 140. This result was reported at a dilution of 1.				
<b>2241218022</b>	3	P001-LW-108	SW-846 1010A	Flashpoint/Ignitability
According to Pa/USEPA regulations, this sample is not considered to be ignitable. (Ref 40 CFR 261.21)				

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State Certifications: DE ID 11 , MA PA0102 , MD 128 , VA 460157 , WV 343

## ANALYTICAL RESULTS

Workorder: 2241218 WEN010|2017-EP-S2-14-01 RFP NO

**2241218022**      4      P001-LW-108      SW-846 1010A      Flashpoint/Ignitability

Sample did not flash up to 200 degrees F

**2241218022**      5      P001-LW-108      SW846 9040C      Corrosivity as pH

The corrosivity analysis is an "analyze immediately" analysis. Parameters identified as "analyze immediately" require analysis within 15 minutes of collection, and are therefore analyzed outside of the method holding time when analyzed in the laboratory.

**2241218023**      1      P001-LW-109      SW846 8260B      Dibromofluoromethane

The surrogate Dibromofluoromethane for method SW846 8260B was outside of control limits. The % Recovery was reported as 64.5 and the control limits were 78 to 116. This result was reported at a dilution of 500.

**2241218023**      2      P001-LW-109      SW-846 1010A      Flashpoint/Ignitability

According to Pa/USEPA regulations, this sample is not considered to be ignitable. (Ref 40 CFR 261.21)

**2241218023**      3      P001-LW-109      SW-846 1010A      Flashpoint/Ignitability

Sample did not flash up to 200 degrees F

**2241218023**      4      P001-LW-109      SW846 9040C      Corrosivity as pH

The corrosivity analysis is an "analyze immediately" analysis. Parameters identified as "analyze immediately" require analysis within 15 minutes of collection, and are therefore analyzed outside of the method holding time when analyzed in the laboratory.

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Date Shipped: 6/23/2017  
 Carrier Name: Lab Courier  
 Airbill No: NA

## CHAIN OF CUSTODY RECORD

RFP # Case # 441

Contact Name:  
 Contact Phone:

No: 062117-221035-0002  
 Cooler #: \_\_\_\_\_  
 Lab: ALS Environmental  
 Lab Phone: 717-944-5541



\* 2 2 4 1 2 1 8 \*

Lab #	Sample #	Analyses	Matrix	Collected	Sample Time	Numb Cont:	Container	Preservative	Lab QC
P001-LW-006	TCL VOCs	Liquid Waste	6/21/2017	15:53	1	4 oz glass jar w/septum	4 C	N	
P001-LW-006	TCL SVOCs	Liquid Waste	6/21/2017	15:53	1	8 oz. glass jar	4 C	N	
P001-LW-006	TCL PCBs	Liquid Waste	6/21/2017	15:53	1	8 oz. glass jar	4 C	N	
P001-LW-006	TCL Pesticides	Liquid Waste	6/21/2017	15:53	1	8 oz. glass jar	4 C	N	
P001-LW-006	TAL Metals + Hg	Liquid Waste	6/21/2017	15:53	1	8 oz. glass jar	4 C	N	
P001-LW-006	RCRA Characteristics	Liquid Waste	6/21/2017	15:53	1	8 oz. glass jar	4 C	N	
P001-LW-008	TCL VOCs	Liquid Waste	6/21/2017	15:50	1	4 oz glass jar w/septum	4 C	N	
P001-LW-008	TCL SVOCs	Liquid Waste	6/21/2017	15:50	1	8 oz. glass jar	4 C	N	
P001-LW-008	TCL PCBs	Liquid Waste	6/21/2017	15:50	1	8 oz. glass jar	4 C	N	
P001-LW-008	TCL Pesticides	Liquid Waste	6/21/2017	15:50	1	8 oz. glass jar	4 C	N	
P001-LW-008	TAL Metals + Hg	Liquid Waste	6/21/2017	15:50	1	8 oz. glass jar	4 C	N	
P001-LW-008	RCRA Characteristics	Liquid Waste	6/21/2017	15:50	1	8 oz. glass jar	4 C	N	
P001-LW-020	TCL VOCs	Liquid Waste	6/21/2017	16:32	1	4 oz glass jar w/septum	4 C	N	
P001-LW-020	TCL SVOCs	Liquid Waste	6/21/2017	16:32	1	8 oz. glass jar	4 C	N	
P001-LW-021	TCL PCBs	Liquid Waste	6/21/2017	15:16	1	8 oz. glass jar	4 C	N	
P001-LW-021	RCRA Characteristics	Liquid Waste	6/21/2017	15:17	1	8 oz. glass jar	4 C	N	
P001-LW-028	RCRA Characteristics	Liquid Waste	6/21/2017	15:07	1	8 oz. glass jar	4 C	N	
P001-LW-028	TCL PCBs	Liquid Waste	6/21/2017	15:07	1	8 oz. glass jar	4 C	N	
P001-LW-029	RCRA Characteristics	Liquid Waste	6/21/2017	15:10	1	8 oz. glass jar	4 C	N	

Special Instructions: 1 week verbal turn around time. Please send results to S.Sumbaly@westonsolutions.com,  
 Michael.Beuthe@westonsolutions.com and Kathryn.Donohue@westonsolutions.com.

Please analyze both phases of P001-LW-031 as one sample.  
 Only analyze the top phase of P001-LW-028

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All samples	Jeffrey Weston, RST 3	6/23/17 1440	John Smith	6/23/17	
	J.W. Smith	6/23/17		6-23-17 1000	

ALS

22411218

Page 2 of 4

**USEPA**

Date Shipped: 6/23/2017  
 Carrier Name: Lab Courier  
 Airbill No: NA

**CHAIN OF CUSTODY RECORD**

RPP Geese 5441

Contact Name:  
 Contact Phone:

**No: 062117-221035-0002**  
 Cooler #: \_\_\_\_\_  
 Lab: ALS Environmental  
 Lab Phone: 717-944-5541

Lab #	Sample #	Analyses	Matrix	Collected	Sample Time	Numb Cont	Container	Preservative	Lab QC
P001-LW-031	TCL VOCS	Liquid Waste	6/21/2017	15:33	1	4 oz glass jar w/septum	4 C	N	
P001-LW-031	TCL SVOCs	Liquid Waste	6/21/2017	15:33	1	8 oz. glass jar	4 C	—	N
P001-LW-031	TCL PCBs	Liquid Waste	6/21/2017	15:33	1	8 oz. glass jar	4 C	N	
P001-LW-031	TCL Pesticides	Liquid Waste	6/21/2017	15:33	1	8 oz. glass jar	4 C	N	
P001-LW-031	TAL Metals + Hg	Liquid Waste	6/21/2017	15:33	1	8 oz. glass jar	4 C	N	
P001-LW-031	RCRA Characteristics	Liquid Waste	6/21/2017	15:33	1	8 oz. glass jar	4 C	N	
P001-LW-034	RCRA Characteristics	Liquid Waste	6/21/2017	15:14	1	8 oz. glass jar	4 C	N	
P001-LW-040	TCL VOCS	Liquid Waste	6/21/2017	15:45	1	4 oz glass jar w/septum	4 C	N	
P001-LW-040	TCL SVOCs	Liquid Waste	6/21/2017	15:45	1	8 oz. glass jar	4 C	N	
P001-LW-040	TCL PCBs	Liquid Waste	6/21/2017	15:45	1	8 oz. glass jar	4 C	N	
P001-LW-040	TCL Pesticides	Liquid Waste	6/21/2017	15:45	1	8 oz. glass jar	4 C	N	
P001-LW-040	TAL Metals + Hg	Liquid Waste	6/21/2017	15:45	1	8 oz. glass jar	4 C	N	
P001-LW-040	RCRA Characteristics	Liquid Waste	6/21/2017	15:45	1	8 oz. glass jar	4 C	N	
P001-LW-043	TAL Metals + Hg	Liquid Waste	6/21/2017	15:23	1	8 oz. glass jar	4 C	N	
P001-LW-045	TAL Metals + Hg	Liquid Waste	6/21/2017	15:40	1	8 oz. glass jar	4 C	N	
P001-LW-046	TCL VOCS	Liquid Waste	6/21/2017	16:42	1	4 oz glass jar w/septum	4 C	N	
P001-LW-046	TCL SVOCs	Liquid Waste	6/21/2017	16:42	1	8 oz. glass jar	4 C	N	
P001-LW-047	TCL VOCS	Liquid Waste	6/21/2017	16:40	1	4 oz glass jar w/septum	4 C	N	
P001-LW-047	TCL SVOCs	Liquid Waste	6/21/2017	16:40	1	8 oz. glass jar	4 C	N	

Special Instructions: 1 week verbal turn around time. Please send results to S.Sumbaly@westonsolutions.com,  
 Michael.Beuthe@westonsolutions.com and Kathryn.Donohue@westonsolutions.com.

Please analyzed both phases of P001-LW-031 as one sample.  
 Only analyze the top phase of P001-LW-028

SAMPLES TRANSFERRED FROM	CHAIN OF CUSTODY #
--------------------------	--------------------

Item/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All samples All analysis	Re/Be Westons, PCT3 6/23/17/440	6/23/17/440	Joe Yer	6/23/17/440	
	Don	6/23 1950		6/23 1950	

**USEPA**  
 Date Shipped: 6/23/2017  
 Carrier Name: Lab Courier  
 Airbill No: NA

**CHAIN OF CUSTODY RECORD**  
*RFP# GSE-~~041~~41*  
 Contact Name:  
 Contact Phone:

**No: 062117-221035-0002**  
 Cooler #: N  
 Lab: ALS Environmental  
 Lab Phone: 717-944-5541

Lab #	Sample #	Analyses	Matrix	Collected	Sample Time	Numb Cont	Container	Preservative	Lab QC
P001-LW-049	TCL VOCs	Liquid Waste	6/21/2017	15:30	1	4 oz glass jar w/septum	4 C	N	
P001-LW-049	TCL SVOCs	Liquid Waste	6/21/2017	15:30	1	8 oz. glass jar	4 C	N	
P001-LW-049	TCL PCBs	Liquid Waste	6/21/2017	15:30	1	8 oz. glass jar	4 C	N	
P001-LW-049	TCL Pesticides	Liquid Waste	6/21/2017	15:30	1	8 oz. glass jar	4 C	N	
P001-LW-049	TAL Metals + Hg	Liquid Waste	6/21/2017	15:30	1	8 oz. glass jar	4 C	N	
P001-LW-049	RCRA Characteristics	Liquid Waste	6/21/2017	15:30	1	8 oz. glass jar	4 C	N	
P001-LW-055	RCRA Characteristics	Liquid Waste	6/21/2017	15:48	1	8 oz. glass jar	4 C	N	
P001-LW-055	TAL Metals + Hg	Liquid Waste	6/21/2017	15:48	1	8 oz. glass jar	4 C	N	
P001-LW-056	TAL Metals + Hg	Liquid Waste	6/21/2017	15:25	1	8 oz. glass jar	4 C	N	
P001-LW-057	TCL VOCs	Liquid Waste	6/21/2017	16:36	1	4 oz glass jar w/septum	4 C	N	
P001-LW-057	TCL SVOCs	Liquid Waste	6/21/2017	16:36	1	8 oz. glass jar	4 C	N	
P001-LW-057	RCRA Characteristics	Liquid Waste	6/21/2017	16:36	1	8 oz. glass jar	4 C	N	
P001-LW-077	RCRA Characteristics	Liquid Waste	6/21/2017	16:45	1	8 oz. glass jar	4 C	N	
P001-LW-086	TCL VOCs	Liquid Waste	6/21/2017	16:55	1	4 oz glass jar w/septum	4 C	N	
P001-LW-086	TCL SVOCs	Liquid Waste	6/21/2017	16:55	1	8 oz. glass jar	4 C	N	
P001-LW-107	RCRA Characteristics	Liquid Waste	6/21/2017	18:02	1	8 oz. glass jar	4 C	N	
P001-LW-108	TCL VOCs	Liquid Waste	6/21/2017	17:40	1	4 oz glass jar w/septum	4 C	N	
P001-LW-108	TCL SVOCs	Liquid Waste	6/21/2017	17:40	1	8 oz. glass jar	4 C	N	
P001-LW-108	TCL PCBs	Liquid Waste	6/21/2017	17:40	1	8 oz. glass jar	4 C	N	

Special Instructions: 1 week verbal turn around time. Please send results to S.Sumbaly@westonsolutions.com, Michael.Beuthe@westonsolutions.com and Kathryn.Donohue@westonsolutions.com.		SAMPLES TRANSFERRED FROM			
		CHAIN OF CUSTODY #			
Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
<i>Not analyzed</i>	<i>PLS</i>	<i>6/23/17 4:00 PM</i>	<i>J. Johnson</i>	<i>6/23/17</i>	
				<i>6/23 1990</i>	

Page 4 of 4

**USEPA**  
DateShipped: 6/23/2017  
CarrierName: Lab Courier  
AirbillNo: NA

**CHAIN OF CUSTODY RECORD**

RFP # Gase # 441

Contact Name:  
Contact Phone:

Lab #	Sample #	Analyses	Matrix	Collected	Sample Time	Numb Cont	Container	Preservative	Lab QC
P001-LW-108	TCL Pesticides	Liquid Waste	6/21/2017	17:40		1	8 oz. glass jar	4 C	N
P001-LW-108	TAL Metals + Hg	Liquid Waste	6/21/2017	17:40		1	8 oz. glass jar	4 C	N
P001-LW-108	RCRA Characteristics	Liquid Waste	6/21/2017	17:40		1	8 oz. glass jar	4 C	N
P001-LW-109	TCL VOCs	Liquid Waste	6/21/2017	17:55		1	4 oz glass jar w/septum	4 C	N
P001-LW-109	TCL SVOCs	Liquid Waste	6/21/2017	17:55		1	8 oz. glass jar	4 C	N
P001-LW-109	TCL PCBs	Liquid Waste	6/21/2017	17:55		1	8 oz. glass jar	4 C	N
P001-LW-109	TCL Pesticides	Liquid Waste	6/21/2017	17:55		1	8 oz. glass jar	4 C	N
P001-LW-109	TAL Metals + Hg	Liquid Waste	6/21/2017	17:55		1	8 oz. glass jar	4 C	N
P001-LW-109	RCRA Characteristics	Liquid Waste	6/21/2017	17:55		1	8 oz. glass jar	4 C	N

**Special Instructions:** 1 week verbal turn around time. Please send results to S.Sumbaly@westonsolutions.com, Michael Beuthe@westonsolutions.com and Kathryn Donohue@westonsolutions.com

Please analyze both phases of P001-LW-031 as one sample.  
Only analyze the top phase of P001-LW-028

Special Instructions: 1 week verbal turn around time. Please send results to S.Sumbaly@westonsolutions.com, Michael.Beuthe@westonsolutions.com and Kathryn.Donohue@westonsolutions.com.		SAMPLES TRANSFERRED FROM	
		CHAIN OF CUSTODY #	
Please analyzed both phases of P001-LW-031 as one sample.  Only analyze the top phase of P001-LW-028			
Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)
111 Samples All areas	John West	6/23/17 /440	John West Dot
		6/23/17	
			6-23 1450

## **Precautionary Measures Against Hidden Hazards in Laboratory Samples**

### **Notice to Laboratory Personnel**

#### **Background**

Under the authority of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA or Superfund) of 1980, as amended, Section 311 of the Clean Water Act (CWA), as amended, by the Oil Pollution Act of 1990 (OPA), Subtitle I of the Resource Conservation and Recovery Act (RCRA), and pursuant to the National Oil and Hazardous Substances Pollution Contingency Plan (NCP) and Presidential Decision Document (PDD) #39, the Environmental Protection Agency (EPA) has been delegated the responsibility to undertake response actions with respect to, as a general matter, the release or threat of release of oil, petroleum products, hazardous substances, or pollutant and contaminants, that pose an actual or potential threat to human health or welfare, or to the environment. EPA is responsible for conducting evaluations and cleanups of uncontrolled hazardous substance disposal sites and placing those that are considered to pose a significant threat to the public health or the environment on the National Priorities List (NPL).

EPA's successful implementation of these emergency response action responsibilities requires that technical support capabilities be provided in the form of a contracted Removal Support Team (RST) for EPA. The WESTON RST Contract EP-W-06-072, provides this support to EPA Region II.

#### **Hazard Communication**

The samples which accompany this notice were shipped to your laboratory for analysis in accordance with applicable D.O.T. or IATA Regulations and were collected by the WESTON RST and tentatively designated by the field response team, as either environmental or hazardous material samples.

In general, *Environmental Samples* are collected from streams, farm ponds, small lakes, wells, and off-site soil locations that are not reasonable expected to be contaminated with hazardous materials. Samples of on-site soils or water, and materials collected from drums, bulk storage tanks, obviously contaminated ponds, impoundments, lagoons, pools, and leachates from hazardous waste sites are considered *Hazardous Samples*. Samples which are obtained from a known radioactive material contamination site or which demonstrate beta or gamma activity greater than three times average background as scanned with a radiation survey meter are considered *Radioactive Samples*.

The samples which accompany this notice were tentatively classified by the field response team as:

Environmental       Hazardous       Comb. (Enviro. & Hazard.)       Radioactive

The field team which collected the samples, used the following Level(s) of personal protection as designated by EPA and OSHA conventions to provide protection against possible radiological or chemical exposure:

Level A       Level B       Level C       Level D

*The information is intended for use as a guide for the safe handling of these laboratory samples in accordance with EPA and OSHA regulations. The Sample classification(s) and Levels of personal protection used by the WESTON RST are not represented to be, nor are they adequate or applicable in all situations, nor are they intended to serve as substitutes for professional/personal judgment.*

Laboratory Name ALS Environmental      RFP No. 441  
Prepared by Weston Solutions RST 3      Date 6/21/17

WESTON Office: Region II RST, Edison, NJ; Phone: 732-585-4400 Fax: 732-225-7037



Weston Solutions, Inc.  
1090 King Georges Post Road, Suite 201  
Edison, NJ 08837  
Phone: (732) 585-4400 • Fax: (732) 225-7037

Laboratory Name: ALS Analytical

Attention:

Date: 6/16/2017

This letter requests that your laboratory return all sample coolers to the above address within 14 calendar days following receipt of the shipment. The coolers should be returned using the attached FedEx Airbill and Airbill number.

When returning coolers, please send them to:

Weston Solutions, Inc.  
Attn: Rick Francis  
1090 King George Post Road  
Suite 201  
Edison, NJ 08837

Sincerely,

Weston Solutions, Inc.

Michael Beuthe  
Site Project Manager

A handwritten signature in black ink, appearing to read "Michael Beuthe".

*an employee-owned company*

In association with Scientific and Environmental Associates, Inc.,  
Environmental Compliance Consultants, Inc., Avatar Environmental, LLC,  
On-Site Environmental, Inc., and Sovereign Consulting, Inc.



# Sample Summary Report

Case: 47126

Contract: EPW14030

SDG: BC8B5

Lab Code: CHM

Sample Number: ABLK17	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1221	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1232	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1242	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1248	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1254	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1260	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1262	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1268	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM

# Sample Summary Report

Case: 47126

Contract: EPW14030

SDG: BC8B5

Lab Code: CHM

Sample Number: ALCS17	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Spike	36		ug/kg	36		1.0	YES	S3VEM
Aroclor-1221	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1232	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1242	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1248	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1254	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1260	Spike	33		ug/kg	33		1.0	YES	S3VEM
Aroclor-1262	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1268	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM

# Sample Summary Report

Case: 47126

Contract: EPW14030

SDG: BC8B5

Lab Code: CHM

Sample Number: BC8B5	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: P001-SS001	pH:	Sample Date: 07/27/2017	Sample Time: 13:10:00
% Moisture:		% Solids: 92.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	36	U	ug/kg	36	U	1.0	YES	S3VEM
Aroclor-1221	Target	36	U	ug/kg	36	U	1.0	YES	S3VEM
Aroclor-1232	Target	36	U	ug/kg	36	U	1.0	YES	S3VEM
Aroclor-1242	Target	36	U	ug/kg	36	U	1.0	YES	S3VEM
Aroclor-1248	Target	36	U	ug/kg	36	U	1.0	YES	S3VEM
Aroclor-1254	Target	36	U	ug/kg	36	U	1.0	YES	S3VEM
Aroclor-1260	Target	580		ug/kg	580	D	5.0	YES	S3VEM
Aroclor-1262	Target	36	U	ug/kg	36	U	1.0	YES	S3VEM
Aroclor-1268	Target	36	U	ug/kg	36	U	1.0	YES	S3VEM

# Sample Summary Report

Case: 47126

Contract: EPW14030

SDG: BC8B5

Lab Code: CHM

Sample Number: BC8B5	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location: P001-SS001	pH:	Sample Date: 07/27/2017	Sample Time: 13:10:00
% Moisture:		% Solids: 92.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	1.8	U	ug/kg	1.8	U	1.0	YES	S3VEM
beta-BHC	Target	1.8	U	ug/kg	1.8	U	1.0	YES	S3VEM
delta-BHC	Target	1.8	U	ug/kg	1.8	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	1.8	U	ug/kg	1.8	U	1.0	YES	S3VEM
Heptachlor	Target	1.8	UJ	ug/kg	1.8	U	1.0	YES	S3VEM
Aldrin	Target	1.8	UJ	ug/kg	1.8	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	1.8	UJ	ug/kg	1.8	U	1.0	YES	S3VEM
Endosulfan I	Target	1.8	UJ	ug/kg	1.8	U	1.0	YES	S3VEM
Dieldrin	Target	3.5	UJ	ug/kg	3.5	U	1.0	YES	S3VEM
4,4-DDE	Target	3.5	UJ	ug/kg	3.5	U	1.0	YES	S3VEM
Endrin	Target	3.5	UJ	ug/kg	3.5	U	1.0	YES	S3VEM
Endosulfan II	Target	3.5	UJ	ug/kg	3.5	U	1.0	YES	S3VEM
4,4-DDD	Target	3.5	UJ	ug/kg	3.5	U	1.0	YES	S3VEM
Endosulfan Sulfate	Target	3.5	UJ	ug/kg	3.5	U	1.0	YES	S3VEM
4,4-DDT	Target	3.5	UJ	ug/kg	3.5	U	1.0	YES	S3VEM
Methoxychlor	Target	18	UJ	ug/kg	18	U	1.0	YES	S3VEM
Endrin ketone	Target	3.5	UJ	ug/kg	3.5	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	3.5	UJ	ug/kg	3.5	U	1.0	YES	S3VEM
cis-Chlordane	Target	1.8	UJ	ug/kg	1.8	U	1.0	YES	S3VEM
trans-Chlordane	Target	1.8	UJ	ug/kg	1.8	U	1.0	YES	S3VEM
Toxaphene	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM

# Sample Summary Report

Case: 47126

Contract: EPW14030

SDG: BC8B5

Lab Code: CHM

Sample Number: BC8B5	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: P001-SS001	pH:	Sample Date: 07/27/2017	Sample Time: 13:10:00
% Moisture:		% Solids: 92.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	72	UJ	ug/kg	72	U	1.0	YES	S3VEM
Benzaldehyde	Target	360	U	ug/kg	360	U	1.0	YES	S3VEM
Phenol	Target	360	U	ug/kg	360	U	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	360	U	ug/kg	360	U	1.0	YES	S3VEM
2-Chlorophenol	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
2-Methylphenol	Target	360	U	ug/kg	360	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	360	U	ug/kg	360	U	1.0	YES	S3VEM
Acetophenone	Target	360	U	ug/kg	360	U	1.0	YES	S3VEM
4-Methylphenol	Target	360	U	ug/kg	360	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
Hexachloroethane	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
Nitrobenzene	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
Isophorone	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
2-Nitrophenol	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
Naphthalene	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
4-Chloroaniline	Target	360	U	ug/kg	360	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
Caprolactam	Target	360	U	ug/kg	360	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	360	U	ug/kg	360	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
2-Nitroaniline	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
Dimethylphthalate	Target	160	J	ug/kg	160	J	1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
Acenaphthylene	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
3-Nitroaniline	Target	360	U	ug/kg	360	U	1.0	YES	S3VEM
Acenaphthene	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	360	U	ug/kg	360	U	1.0	YES	S3VEM
4-Nitrophenol	Target	360	U	ug/kg	360	U	1.0	YES	S3VEM
Dibenzofuran	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
Diethylphthalate	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
Fluorene	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
4-Nitroaniline	Target	360	U	ug/kg	360	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	360	U	ug/kg	360	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
Atrazine	Target	360	U	ug/kg	360	U	1.0	YES	S3VEM
Pentachlorophenol	Target	360	U	ug/kg	360	U	1.0	YES	S3VEM
Phenanthrene	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
Anthracene	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
Carbazole	Target	360	U	ug/kg	360	U	1.0	YES	S3VEM
Di-n-butylphthalate	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM

# Sample Summary Report

Case: 47126

Contract: EPW14030

SDG: BC8B5

Lab Code: CHM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Fluoranthene	Target	360	U	ug/kg	360	U	1.0	YES	S3VEM
Pyrene	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
Butylbenzylphthalate	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	360	U	ug/kg	360	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
Chrysene	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	96	J	ug/kg	96	J	1.0	YES	S3VEM
Di-n-octyl phthalate	Target	360	U	ug/kg	360	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
Benzo(a)pyrene	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
Benzene, 1-methyl-3-propyl-	TIC	87	J	ug/kg	87	J	1.0	YES	S3VEM
Total Alkanes	TIC	260		ug/kg	260		1.0	YES	S3VEM
Benzene, 4-ethyl-1,2-dimethyl-	TIC	110	J	ug/kg	110	J	1.0	YES	S3VEM
Benzene, 1-ethyl-2-methyl-	TIC	110	J	ug/kg	110	J	1.0	YES	S3VEM
Benzene, 1,2,3-trimethyl-	TIC	130	J	ug/kg	130	J	1.0	YES	S3VEM
Benzene, propyl-	TIC	140	J	ug/kg	140	J	1.0	YES	S3VEM
Sulfurous acid, butyl tridecyl est	TIC	73	J	ug/kg	73	J	1.0	YES	S3VEM
Pentadecanoic acid	TIC	130	J	ug/kg	130	J	1.0	YES	S3VEM
Benzene, 1-ethyl-3-methyl-	TIC	380	J	ug/kg	380	J	1.0	YES	S3VEM
n-Hexadecanoic acid	TIC	150	J	ug/kg	150	J	1.0	YES	S3VEM
unknown01	TIC	150	J	ug/kg	150	J	1.0	YES	S3VEM
Phthalic acid, isobutyl 2-(pentafl	TIC	180	J	ug/kg	180	J	1.0	YES	S3VEM
Binaphthyl sulfone	TIC	1900	J	ug/kg	1900	J	1.0	YES	S3VEM
unknown02	TIC	2000	J	ug/kg	2000	J	1.0	YES	S3VEM
Benzene, 1,2,4-trimethyl-	TIC	92	J	ug/kg	92	J	1.0	YES	S3VEM

# Sample Summary Report

Case: 47126

Contract: EPW14030

SDG: BC8B5

Lab Code: CHM

Sample Number: BC8B5	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: P001-SS001	pH:	Sample Date: 07/27/2017	Sample Time: 13:10:00
% Moisture:		% Solids: 92.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
Chloromethane	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
Bromomethane	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
Chloroethane	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
Acetone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Carbon disulfide	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
Methylene chloride	Target	5.2	U	ug/kg	5.2	B	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
2-Butanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
Chloroform	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
Cyclohexane	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
Benzene	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
Trichloroethene	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Toluene	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
2-Hexanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Dibromochemicalmethane	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
o-xylene	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
Styrene	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
Bromoform	Target	5.2	UJ	ug/kg	5.2	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.2	UJ	ug/kg	5.2	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.2	UJ	ug/kg	5.2	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.2	UJ	ug/kg	5.2	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.2	UJ	ug/kg	5.2	U	1.0	YES	S3VEM
1,2,4-trichlorobenzene	Target	5.2	UJ	ug/kg	5.2	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.2	UJ	ug/kg	5.2	U	1.0	YES	S3VEM
Total Alkanes	TIC			ug/kg			1.0	YES	S3VEM

# Sample Summary Report

Case: 47126

Contract: EPW14030

SDG: BC8B5

Lab Code: CHM

Sample Number: BC8B7	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: P001-SS005	pH:	Sample Date: 07/27/2017	Sample Time: 15:15:00
% Moisture:		% Solids: 83.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	39	U	ug/kg	39	U	1.0	YES	S3VEM
Aroclor-1221	Target	39	U	ug/kg	39	U	1.0	YES	S3VEM
Aroclor-1232	Target	39	U	ug/kg	39	U	1.0	YES	S3VEM
Aroclor-1242	Target	39	U	ug/kg	39	U	1.0	YES	S3VEM
Aroclor-1248	Target	39	U	ug/kg	39	U	1.0	YES	S3VEM
Aroclor-1254	Target	39	U	ug/kg	39	U	1.0	YES	S3VEM
Aroclor-1260	Target	39	U	ug/kg	39	U	1.0	YES	S3VEM
Aroclor-1262	Target	39	U	ug/kg	39	U	1.0	YES	S3VEM
Aroclor-1268	Target	39	U	ug/kg	39	U	1.0	YES	S3VEM

# Sample Summary Report

Case: 47126

Contract: EPW14030

SDG: BC8B5

Lab Code: CHM

Sample Number: BC8B7	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location: P001-SS005	pH:	Sample Date: 07/27/2017	Sample Time: 15:15:00
% Moisture:		% Solids: 83.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	2.0	U	ug/kg	2.0	U	1.0	YES	S3VEM
beta-BHC	Target	2.0	U	ug/kg	2.0	U	1.0	YES	S3VEM
delta-BHC	Target	2.0	U	ug/kg	2.0	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	2.0	U	ug/kg	2.0	U	1.0	YES	S3VEM
Heptachlor	Target	2.0	UJ	ug/kg	2.0	U	1.0	YES	S3VEM
Aldrin	Target	2.0	UJ	ug/kg	2.0	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	2.0	UJ	ug/kg	2.0	U	1.0	YES	S3VEM
Endosulfan I	Target	2.0	UJ	ug/kg	2.0	U	1.0	YES	S3VEM
Dieldrin	Target	3.9	UJ	ug/kg	3.9	U	1.0	YES	S3VEM
4,4-DDE	Target	3.9	UJ	ug/kg	3.9	U	1.0	YES	S3VEM
Endrin	Target	3.9	UJ	ug/kg	3.9	U	1.0	YES	S3VEM
Endosulfan II	Target	3.9	UJ	ug/kg	3.9	U	1.0	YES	S3VEM
4,4-DDD	Target	3.9	UJ	ug/kg	3.9	U	1.0	YES	S3VEM
Endosulfan Sulfate	Target	3.9	UJ	ug/kg	3.9	U	1.0	YES	S3VEM
4,4-DDT	Target	3.9	UJ	ug/kg	3.9	U	1.0	YES	S3VEM
Methoxychlor	Target	20	UJ	ug/kg	20	U	1.0	YES	S3VEM
Endrin ketone	Target	3.9	UJ	ug/kg	3.9	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	3.9	UJ	ug/kg	3.9	U	1.0	YES	S3VEM
cis-Chlordane	Target	2.0	UJ	ug/kg	2.0	U	1.0	YES	S3VEM
trans-Chlordane	Target	2.0	UJ	ug/kg	2.0	U	1.0	YES	S3VEM
Toxaphene	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM

# Sample Summary Report

Case: 47126

Contract: EPW14030

SDG: BC8B5

Lab Code: CHM

Sample Number: BC8B7	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: P001-SS005	pH:	Sample Date: 07/27/2017	Sample Time: 15:15:00
% Moisture:		% Solids: 83.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	80	UJ	ug/kg	80	U	1.0	YES	S3VEM
Benzaldehyde	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Phenol	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
2-Chlorophenol	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
2-Methylphenol	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Acetophenone	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
4-Methylphenol	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Hexachloroethane	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Nitrobenzene	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Isophorone	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
2-Nitrophenol	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Naphthalene	Target	89	J	ug/kg	89	J	1.0	YES	S3VEM
4-Chloroaniline	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Caprolactam	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	200		ug/kg	200		1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	76	J	ug/kg	76	J	1.0	YES	S3VEM
2-Chloronaphthalene	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
2-Nitroaniline	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Dimethylphthalate	Target	140	J	ug/kg	140	J	1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Acenaphthylene	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
3-Nitroaniline	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Acenaphthene	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
4-Nitrophenol	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Dibenzofuran	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Diethylphthalate	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Fluorene	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
4-Nitroaniline	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Atrazine	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Pentachlorophenol	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Phenanthrene	Target	60	J	ug/kg	60	J	1.0	YES	S3VEM
Anthracene	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Carbazole	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Di-n-butylphthalate	Target	150	J	ug/kg	150	J	1.0	YES	S3VEM

# Sample Summary Report

Case: 47126

Contract: EPW14030

SDG: BC8B5

Lab Code: CHM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Fluoranthene	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Pyrene	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Butylbenzylphthalate	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Chrysene	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	9500		ug/kg	9500	D	5.0	YES	S3VEM
Di-n-octyl phthalate	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Benzo(a)pyrene	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Bis(1-chloro-2-propyl)(3-chloro-1-	TIC	310	J	ug/kg	310	J	1.0	YES	S3VEM
Androstan-3,17-diol, (3.alpha.,5.	TIC	330	J	ug/kg	330	J	1.0	YES	S3VEM
Sulfurous acid, butyl undecyl este	TIC	350	J	ug/kg	350	J	1.0	YES	S3VEM
Octadecanoic acid	TIC	490	J	ug/kg	490	J	1.0	YES	S3VEM
n-Hexadecanoic acid	TIC	570	J	ug/kg	570	J	1.0	YES	S3VEM
Total Alkanes	TIC	2100		ug/kg	2100		1.0	YES	S3VEM
Benzene, 1,4-diethyl-	TIC	100	J	ug/kg	100	J	1.0	YES	S3VEM
3a,6-Methano-3aH-indene, 2,3,4,5,6	TIC	110	J	ug/kg	110	J	1.0	YES	S3VEM
Ethanol, 2-butoxy-	TIC	160	J	ug/kg	160	J	1.0	YES	S3VEM
Benzene, 1,2,4-trimethyl-	TIC	170	J	ug/kg	170	J	1.0	YES	S3VEM
Naphthalene, 1-methyl-	TIC	120	J	ug/kg	120	J	1.0	YES	S3VEM
Naphthalene, 2,7-dimethyl-	TIC	190	J	ug/kg	190	J	1.0	YES	S3VEM
Benzene, 1,3-dimethyl-	TIC	370	J	ug/kg	370	J	1.0	YES	S3VEM
1-Cyclohexene-1-carboxylic acid, 4	TIC	130	J	ug/kg	130	J	1.0	YES	S3VEM
unknown02	TIC	87	J	ug/kg	87	J	1.0	YES	S3VEM
unknown01	TIC	110	J	ug/kg	110	J	1.0	YES	S3VEM
1-Iodo-2-methylundecane	TIC	140	J	ug/kg	140	J	1.0	YES	S3VEM
n-Tridecan-1-ol	TIC	89	J	ug/kg	89	J	1.0	YES	S3VEM
Benzene, 1,2,3-trimethyl-	TIC	190	J	ug/kg	190	J	1.0	YES	S3VEM
Naphthalene, 2,3-dimethyl-	TIC	92	J	ug/kg	92	J	1.0	YES	S3VEM

# Sample Summary Report

Case: 47126

Contract: EPW14030

SDG: BC8B5

Lab Code: CHM

Sample Number: BC8B7	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: P001-SS005	pH:	Sample Date: 07/27/2017	Sample Time: 15:15:00
% Moisture:		% Solids: 83.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
Chloromethane	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
Bromomethane	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
Chloroethane	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
Acetone	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Carbon disulfide	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
Methylene chloride	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
2-Butanone	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
Chloroform	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
Cyclohexane	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
Benzene	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
Trichloroethene	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Toluene	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
2-Hexanone	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Dibromochemicalmethane	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
o-xylene	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
Styrene	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
Bromoform	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
1,2,4-trichlorobenzene	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
Total Alkanes	TIC			ug/kg			1.0	YES	S3VEM

# Sample Summary Report

Case: 47126

Contract: EPW14030

SDG: BC8B5

Lab Code: CHM

Sample Number: BC8B8	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: P001-SS004	pH:	Sample Date: 07/27/2017	Sample Time: 15:00:00
% Moisture:		% Solids: 79.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	42	U	ug/kg	42	U	1.0	YES	S3VEM
Aroclor-1221	Target	42	U	ug/kg	42	U	1.0	YES	S3VEM
Aroclor-1232	Target	42	U	ug/kg	42	U	1.0	YES	S3VEM
Aroclor-1242	Target	42	U	ug/kg	42	U	1.0	YES	S3VEM
Aroclor-1248	Target	42	U	ug/kg	42	U	1.0	YES	S3VEM
Aroclor-1254	Target	42	U	ug/kg	42	U	1.0	YES	S3VEM
Aroclor-1260	Target	320		ug/kg	320		1.0	YES	S3VEM
Aroclor-1262	Target	42	U	ug/kg	42	U	1.0	YES	S3VEM
Aroclor-1268	Target	42	U	ug/kg	42	U	1.0	YES	S3VEM

# Sample Summary Report

Case: 47126

Contract: EPW14030

SDG: BC8B5

Lab Code: CHM

Sample Number: BC8B8	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location: P001-SS004	pH:	Sample Date: 07/27/2017	Sample Time: 15:00:00
% Moisture:		% Solids: 79.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	2.1	U	ug/kg	2.1	U	1.0	YES	S3VEM
beta-BHC	Target	2.1	U	ug/kg	2.1	U	1.0	YES	S3VEM
delta-BHC	Target	3.5	J+	ug/kg	3.5		1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	2.1	U	ug/kg	2.1	U	1.0	YES	S3VEM
Heptachlor	Target	2.1	UJ	ug/kg	2.1	U	1.0	YES	S3VEM
Aldrin	Target	2.1	UJ	ug/kg	2.1	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	2.1	UJ	ug/kg	2.1	U	1.0	YES	S3VEM
Endosulfan I	Target	2.1	UJ	ug/kg	2.1	U	1.0	YES	S3VEM
Dieldrin	Target	4.2	UJ	ug/kg	4.2	U	1.0	YES	S3VEM
4,4-DDE	Target	4.2	UJ	ug/kg	4.2	U	1.0	YES	S3VEM
Endrin	Target	4.2	UJ	ug/kg	4.2	U	1.0	YES	S3VEM
Endosulfan II	Target	4.2	UJ	ug/kg	4.2	U	1.0	YES	S3VEM
4,4-DDD	Target	16	UJ	ug/kg	4.2	U	1.0	YES	S3VEM
Endosulfan Sulfate	Target	4.2	UJ	ug/kg	4.2	U	1.0	YES	S3VEM
4,4-DDT	Target	4.2	UJ	ug/kg	4.2	U	1.0	YES	S3VEM
Methoxychlor	Target	22	UJ	ug/kg	22	U	1.0	YES	S3VEM
Endrin ketone	Target	4.2	UJ	ug/kg	4.2	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	4.2	UJ	ug/kg	4.2	U	1.0	YES	S3VEM
cis-Chlordane	Target	2.1	UJ	ug/kg	2.1	U	1.0	YES	S3VEM
trans-Chlordane	Target	2.1	UJ	ug/kg	2.1	U	1.0	YES	S3VEM
Toxaphene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM

# Sample Summary Report

Case: 47126

Contract: EPW14030

SDG: BC8B5

Lab Code: CHM

Sample Number: BC8B8	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: P001-SS004	pH:	Sample Date: 07/27/2017	Sample Time: 15:00:00
% Moisture:		% Solids: 79.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	84	UJ	ug/kg	84	U	1.0	YES	S3VEM
Benzaldehyde	Target	420	U	ug/kg	420	U	1.0	YES	S3VEM
Phenol	Target	56	J	ug/kg	56	J	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	420	U	ug/kg	420	U	1.0	YES	S3VEM
2-Chlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
2-Methylphenol	Target	420	U	ug/kg	420	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	420	U	ug/kg	420	U	1.0	YES	S3VEM
Acetophenone	Target	98	J	ug/kg	98	J	1.0	YES	S3VEM
4-Methylphenol	Target	420	U	ug/kg	420	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Hexachloroethane	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Nitrobenzene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Isophorone	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
2-Nitrophenol	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Naphthalene	Target	48	J	ug/kg	48	J	1.0	YES	S3VEM
4-Chloroaniline	Target	420	U	ug/kg	420	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Caprolactam	Target	420	U	ug/kg	420	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	57	J	ug/kg	57	J	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	420	U	ug/kg	420	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
2-Nitroaniline	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Dimethylphthalate	Target	230		ug/kg	230		1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Acenaphthylene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
3-Nitroaniline	Target	420	U	ug/kg	420	U	1.0	YES	S3VEM
Acenaphthene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	420	U	ug/kg	420	U	1.0	YES	S3VEM
4-Nitrophenol	Target	420	U	ug/kg	420	U	1.0	YES	S3VEM
Dibenzofuran	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Diethylphthalate	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Fluorene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
4-Nitroaniline	Target	420	U	ug/kg	420	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	420	U	ug/kg	420	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Atrazine	Target	420	U	ug/kg	420	U	1.0	YES	S3VEM
Pentachlorophenol	Target	420	U	ug/kg	420	U	1.0	YES	S3VEM
Phenanthrene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Anthracene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Carbazole	Target	420	U	ug/kg	420	U	1.0	YES	S3VEM
Di-n-butylphthalate	Target	100	J	ug/kg	100	J	1.0	YES	S3VEM

# Sample Summary Report

Case: 47126

Contract: EPW14030

SDG: BC8B5

Lab Code: CHM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Fluoranthene	Target	420	U	ug/kg	420	U	1.0	YES	S3VEM
Pyrene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Butylbenzylphthalate	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	420	U	ug/kg	420	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Chrysene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	1800		ug/kg	1800		1.0	YES	S3VEM
Di-n-octyl phthalate	Target	420	U	ug/kg	420	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Benzo(a)pyrene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Benzene, 1-ethyl-3-methyl-	TIC	150	J	ug/kg	150	J	1.0	YES	S3VEM
Total Alkanes	TIC	620		ug/kg	620		1.0	YES	S3VEM
2,3,6-Trifluorobenzyl alcohol, n-p	TIC	89	J	ug/kg	89	J	1.0	YES	S3VEM
5-(4-Diethylaminobenzylidene)-2-th	TIC	180	J	ug/kg	180	J	1.0	YES	S3VEM
Phenanthridine, 5-oxide	TIC	210	J	ug/kg	210	J	1.0	YES	S3VEM
Octadecanoic acid	TIC	310	J	ug/kg	310	J	1.0	YES	S3VEM
Phosphoric acid, tris(3-methylphen	TIC	290	J	ug/kg	290	J	1.0	YES	S3VEM
n-Hexadecanoic acid	TIC	370	J	ug/kg	370	J	1.0	YES	S3VEM
2,5-Cyclohexadiene-1,4-dione, 2,6-	TIC	430	J	ug/kg	430	J	1.0	YES	S3VEM
unknown04	TIC	350	J	ug/kg	350	J	1.0	YES	S3VEM
unknown02	TIC	380	J	ug/kg	380	J	1.0	YES	S3VEM
unknown01	TIC	640	J	ug/kg	640	J	1.0	YES	S3VEM
Propanenitrile, 3-[1-(3-diethylami	TIC	840	J	ug/kg	840	J	1.0	YES	S3VEM
unknown03	TIC	590	J	ug/kg	590	J	1.0	YES	S3VEM
Strychnidin-10-one, 2,3-dimethoxy-	TIC	2000	J	ug/kg	2000	J	1.0	YES	S3VEM
Benzene, 1,2,3-trimethyl-	TIC	180	J	ug/kg	180	J	1.0	YES	S3VEM

# Sample Summary Report

Case: 47126

Contract: EPW14030

SDG: BC8B5

Lab Code: CHM

Sample Number: BC8B8	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: P001-SS004	pH:	Sample Date: 07/27/2017	Sample Time: 15:00:00
% Moisture:		% Solids: 79.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S3VEM
Chloromethane	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S3VEM
Bromomethane	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S3VEM
Chloroethane	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.8	UJ	ug/kg	5.8	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S3VEM
Acetone	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
Carbon disulfide	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S3VEM
Methylene chloride	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.8	UJ	ug/kg	5.8	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.8	UJ	ug/kg	5.8	U	1.0	YES	S3VEM
2-Butanone	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S3VEM
Chloroform	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S3VEM
Cyclohexane	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S3VEM
Benzene	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S3VEM
Trichloroethene	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
Toluene	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S3VEM
2-Hexanone	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
Dibromochemicalmethane	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S3VEM
o-xylene	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S3VEM
Styrene	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S3VEM
Bromoform	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S3VEM
1,2,4-trichlorobenzene	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S3VEM
Total Alkanes	TIC			ug/kg			1.0	YES	S3VEM

# Sample Summary Report

Case: 47126

Contract: EPW14030

SDG: BC8B5

Lab Code: CHM

Sample Number: BC8B9	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: P001-SS003	pH:	Sample Date: 07/27/2017	Sample Time: 14:50:00
% Moisture:		% Solids: 91.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	36	U	ug/kg	36	U	1.0	YES	S3VEM
Aroclor-1221	Target	36	U	ug/kg	36	U	1.0	YES	S3VEM
Aroclor-1232	Target	36	U	ug/kg	36	U	1.0	YES	S3VEM
Aroclor-1242	Target	36	U	ug/kg	36	U	1.0	YES	S3VEM
Aroclor-1248	Target	36	U	ug/kg	36	U	1.0	YES	S3VEM
Aroclor-1254	Target	36	U	ug/kg	36	U	1.0	YES	S3VEM
Aroclor-1260	Target	36	U	ug/kg	36	U	1.0	YES	S3VEM
Aroclor-1262	Target	36	U	ug/kg	36	U	1.0	YES	S3VEM
Aroclor-1268	Target	36	U	ug/kg	36	U	1.0	YES	S3VEM

# Sample Summary Report

Case: 47126

Contract: EPW14030

SDG: BC8B5

Lab Code: CHM

Sample Number: BC8B9	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location: P001-SS003	pH:	Sample Date: 07/27/2017	Sample Time: 14:50:00
% Moisture:		% Solids: 91.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	1.8	U	ug/kg	1.8	U	1.0	YES	S3VEM
beta-BHC	Target	1.8	U	ug/kg	1.8	U	1.0	YES	S3VEM
delta-BHC	Target	1.8	U	ug/kg	1.8	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	1.8	U	ug/kg	1.8	U	1.0	YES	S3VEM
Heptachlor	Target	1.8	UJ	ug/kg	1.8	U	1.0	YES	S3VEM
Aldrin	Target	1.8	UJ	ug/kg	1.8	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	1.8	UJ	ug/kg	1.8	U	1.0	YES	S3VEM
Endosulfan I	Target	1.8	UJ	ug/kg	1.8	U	1.0	YES	S3VEM
Dieldrin	Target	3.6	UJ	ug/kg	3.6	U	1.0	YES	S3VEM
4,4-DDE	Target	3.6	UJ	ug/kg	3.6	U	1.0	YES	S3VEM
Endrin	Target	3.6	UJ	ug/kg	3.6	U	1.0	YES	S3VEM
Endosulfan II	Target	3.6	UJ	ug/kg	3.6	U	1.0	YES	S3VEM
4,4-DDD	Target	3.6	UJ	ug/kg	3.6	U	1.0	YES	S3VEM
Endosulfan Sulfate	Target	3.6	UJ	ug/kg	3.6	U	1.0	YES	S3VEM
4,4-DDT	Target	3.6	UJ	ug/kg	3.6	U	1.0	YES	S3VEM
Methoxychlor	Target	18	UJ	ug/kg	18	U	1.0	YES	S3VEM
Endrin ketone	Target	3.6	UJ	ug/kg	3.6	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	3.6	UJ	ug/kg	3.6	U	1.0	YES	S3VEM
cis-Chlordane	Target	1.8	UJ	ug/kg	1.8	U	1.0	YES	S3VEM
trans-Chlordane	Target	1.8	UJ	ug/kg	1.8	U	1.0	YES	S3VEM
Toxaphene	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM

# Sample Summary Report

Case: 47126

Contract: EPW14030

SDG: BC8B5

Lab Code: CHM

Sample Number: BC8B9	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: P001-SS003	pH:	Sample Date: 07/27/2017	Sample Time: 14:50:00
% Moisture:		% Solids: 91.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	360	U	ug/kg	360	U	5.0	YES	S3VEM
Benzaldehyde	Target	1800	U	ug/kg	1800	U	5.0	YES	S3VEM
Phenol	Target	1800	U	ug/kg	1800	U	5.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	1800	U	ug/kg	1800	U	5.0	YES	S3VEM
2-Chlorophenol	Target	920	U	ug/kg	920	U	5.0	YES	S3VEM
2-Methylphenol	Target	1800	U	ug/kg	1800	U	5.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	1800	U	ug/kg	1800	U	5.0	YES	S3VEM
Acetophenone	Target	1800	U	ug/kg	1800	U	5.0	YES	S3VEM
4-Methylphenol	Target	1800	U	ug/kg	1800	U	5.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	920	U	ug/kg	920	U	5.0	YES	S3VEM
Hexachloroethane	Target	920	U	ug/kg	920	U	5.0	YES	S3VEM
Nitrobenzene	Target	920	U	ug/kg	920	U	5.0	YES	S3VEM
Isophorone	Target	920	U	ug/kg	920	U	5.0	YES	S3VEM
2-Nitrophenol	Target	920	U	ug/kg	920	U	5.0	YES	S3VEM
2,4-Dimethylphenol	Target	920	U	ug/kg	920	U	5.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	920	U	ug/kg	920	U	5.0	YES	S3VEM
2,4-Dichlorophenol	Target	920	U	ug/kg	920	U	5.0	YES	S3VEM
Naphthalene	Target	920	U	ug/kg	920	U	5.0	YES	S3VEM
4-Chloroaniline	Target	1800	UJ	ug/kg	1800	U	5.0	YES	S3VEM
Hexachlorobutadiene	Target	920	U	ug/kg	920	U	5.0	YES	S3VEM
Caprolactam	Target	1800	U	ug/kg	1800	U	5.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	920	U	ug/kg	920	U	5.0	YES	S3VEM
2-Methylnaphthalene	Target	920	U	ug/kg	920	U	5.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	1800	UJ	ug/kg	1800	U	5.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	920	UJ	ug/kg	920	U	5.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	920	U	ug/kg	920	U	5.0	YES	S3VEM
1,1-Biphenyl	Target	920	U	ug/kg	920	U	5.0	YES	S3VEM
2-Chloronaphthalene	Target	920	U	ug/kg	920	U	5.0	YES	S3VEM
2-Nitroaniline	Target	920	U	ug/kg	920	U	5.0	YES	S3VEM
Dimethylphthalate	Target	920	U	ug/kg	920	U	5.0	YES	S3VEM
2,6-Dinitrotoluene	Target	920	U	ug/kg	920	U	5.0	YES	S3VEM
Acenaphthylene	Target	920	U	ug/kg	920	U	5.0	YES	S3VEM
3-Nitroaniline	Target	1800	U	ug/kg	1800	U	5.0	YES	S3VEM
Acenaphthene	Target	920	U	ug/kg	920	U	5.0	YES	S3VEM
2,4-Dinitrophenol	Target	1800	U	ug/kg	1800	U	5.0	YES	S3VEM
4-Nitrophenol	Target	1800	U	ug/kg	1800	U	5.0	YES	S3VEM
Dibenzofuran	Target	920	U	ug/kg	920	U	5.0	YES	S3VEM
2,4-Dinitrotoluene	Target	920	U	ug/kg	920	U	5.0	YES	S3VEM
Diethylphthalate	Target	920	U	ug/kg	920	U	5.0	YES	S3VEM
Fluorene	Target	920	U	ug/kg	920	U	5.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	920	U	ug/kg	920	U	5.0	YES	S3VEM
4-Nitroaniline	Target	1800	U	ug/kg	1800	U	5.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	1800	U	ug/kg	1800	U	5.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	920	U	ug/kg	920	U	5.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	920	U	ug/kg	920	U	5.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	920	U	ug/kg	920	U	5.0	YES	S3VEM
Hexachlorobenzene	Target	920	U	ug/kg	920	U	5.0	YES	S3VEM
Atrazine	Target	1800	U	ug/kg	1800	U	5.0	YES	S3VEM
Pentachlorophenol	Target	1800	U	ug/kg	1800	U	5.0	YES	S3VEM
Phenanthrene	Target	920	U	ug/kg	920	U	5.0	YES	S3VEM
Anthracene	Target	920	U	ug/kg	920	U	5.0	YES	S3VEM
Carbazole	Target	1800	U	ug/kg	1800	U	5.0	YES	S3VEM
Di-n-butylphthalate	Target	3200		ug/kg	3200		5.0	YES	S3VEM

# Sample Summary Report

Case: 47126

Contract: EPW14030

SDG: BC8B5

Lab Code: CHM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Fluoranthene	Target	1800	U	ug/kg	1800	U	5.0	YES	S3VEM
Pyrene	Target	920	U	ug/kg	920	U	5.0	YES	S3VEM
Butylbenzylphthalate	Target	920	U	ug/kg	920	U	5.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	1800	UJ	ug/kg	1800	U	5.0	YES	S3VEM
Benzo(a)anthracene	Target	920	U	ug/kg	920	U	5.0	YES	S3VEM
Chrysene	Target	920	U	ug/kg	920	U	5.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	51000		ug/kg	51000	D	25.0	YES	S3VEM
Di-n-octyl phthalate	Target	1800	U	ug/kg	1800	U	5.0	YES	S3VEM
Benzo(b)fluoranthene	Target	920	U	ug/kg	920	U	5.0	YES	S3VEM
Benzo(k)fluoranthene	Target	920	U	ug/kg	920	U	5.0	YES	S3VEM
Benzo(a)pyrene	Target	920	U	ug/kg	920	U	5.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	920	U	ug/kg	920	U	5.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	920	U	ug/kg	920	U	5.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	920	U	ug/kg	920	U	5.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	920	U	ug/kg	920	U	5.0	YES	S3VEM
5,6,7-Trimethoxy-1-indanone	TIC	380	J	ug/kg	380	J	5.0	YES	S3VEM
Total Alkanes	TIC	41000		ug/kg	41000		5.0	YES	S3VEM
unknown02	TIC	370	J	ug/kg	370	J	5.0	YES	S3VEM
Naphthalene, 1,2,3,4-tetrachloro-	TIC	710	J	ug/kg	710	J	5.0	YES	S3VEM
2,5-Cyclohexadiene-1,4-dione, 2,6-	TIC	860	J	ug/kg	860	J	5.0	YES	S3VEM
Pentadecanoic acid	TIC	740	J	ug/kg	740	J	5.0	YES	S3VEM
Eicosanoic acid	TIC	820	J	ug/kg	820	J	5.0	YES	S3VEM
6-(Methylamino)phenanthren-3-ol	TIC	1200	J	ug/kg	1200	J	5.0	YES	S3VEM
unknown03	TIC	1000	J	ug/kg	1000	J	5.0	YES	S3VEM
unknown06	TIC	750	J	ug/kg	750	J	5.0	YES	S3VEM
Phenol, 2,4,6-tris(1,1-dimethyl ethyl)	TIC	1800	J	ug/kg	1800	J	5.0	YES	S3VEM
Phosphoric acid, tris(3-methylphenyl)	TIC	1600	J	ug/kg	1600	J	5.0	YES	S3VEM
Phosphoric acid, tris(4-methylphenyl)	TIC	1800	J	ug/kg	1800	J	5.0	YES	S3VEM
.beta.-iso-Methyl ionone	TIC	1900	J	ug/kg	1900	J	5.0	YES	S3VEM
Acridine 10-oxide	TIC	3300	J	ug/kg	3300	J	5.0	YES	S3VEM
unknown04	TIC	3900	J	ug/kg	3900	J	5.0	YES	S3VEM
28-Nor-17.alpha.(H)-hopane	TIC	2800	J	ug/kg	2800	J	5.0	YES	S3VEM
unknown05	TIC	4900	J	ug/kg	4900	J	5.0	YES	S3VEM
Octadecanoic acid	TIC	6900	J	ug/kg	6900	J	5.0	YES	S3VEM
n-Hexadecanoic acid	TIC	8800	J	ug/kg	8800	J	5.0	YES	S3VEM
Strychnidin-10-one, 2,3-dimethoxy-	TIC	13000	J	ug/kg	13000	J	5.0	YES	S3VEM
unknown01	TIC	410	J	ug/kg	410	J	5.0	YES	S3VEM

# Sample Summary Report

Case: 47126

Contract: EPW14030

SDG: BC8B5

Lab Code: CHM

Sample Number: BC8B9	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: P001-SS003	pH:	Sample Date: 07/27/2017	Sample Time: 14:50:00
% Moisture:		% Solids: 91.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
Chloromethane	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
Bromomethane	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
Chloroethane	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
Acetone	Target	48		ug/kg	48		1.0	YES	S3VEM
Carbon disulfide	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
Methylene chloride	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
2-Butanone	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
Chloroform	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
Cyclohexane	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
Benzene	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
Trichloroethene	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Toluene	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
2-Hexanone	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Dibromochemicalmethane	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
o-xylene	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
Styrene	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
Bromoform	Target	5.6	UJ	ug/kg	5.6	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.6	UJ	ug/kg	5.6	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.6	UJ	ug/kg	5.6	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.6	UJ	ug/kg	5.6	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.6	UJ	ug/kg	5.6	U	1.0	YES	S3VEM
1,2,4-trichlorobenzene	Target	5.6	UJ	ug/kg	5.6	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.6	UJ	ug/kg	5.6	U	1.0	YES	S3VEM
Total Alkanes	TIC			ug/kg			1.0	YES	S3VEM

# Sample Summary Report

Case: 47126

Contract: EPW14030

SDG: BC8B5

Lab Code: CHM

Sample Number: BC8C0	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: P001-SS002	pH:	Sample Date: 07/27/2017	Sample Time: 13:42:00
% Moisture:		% Solids: 93.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	35	U	ug/kg	35	U	1.0	YES	S3VEM
Aroclor-1221	Target	35	U	ug/kg	35	U	1.0	YES	S3VEM
Aroclor-1232	Target	35	U	ug/kg	35	U	1.0	YES	S3VEM
Aroclor-1242	Target	35	U	ug/kg	35	U	1.0	YES	S3VEM
Aroclor-1248	Target	35	U	ug/kg	35	U	1.0	YES	S3VEM
Aroclor-1254	Target	35	U	ug/kg	35	U	1.0	YES	S3VEM
Aroclor-1260	Target	57	J	ug/kg	57		1.0	YES	S3VEM
Aroclor-1262	Target	35	U	ug/kg	35	U	1.0	YES	S3VEM
Aroclor-1268	Target	35	U	ug/kg	35	U	1.0	YES	S3VEM

# Sample Summary Report

Case: 47126

Contract: EPW14030

SDG: BC8B5

Lab Code: CHM

Sample Number: BC8C0	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location: P001-SS002	pH:	Sample Date: 07/27/2017	Sample Time: 13:42:00
% Moisture:		% Solids: 93.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	1.8	U	ug/kg	1.8	U	1.0	YES	S3VEM
beta-BHC	Target	1.8	U	ug/kg	1.8	U	1.0	YES	S3VEM
delta-BHC	Target	1.8	U	ug/kg	1.8	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	1.8	U	ug/kg	1.8	U	1.0	YES	S3VEM
Heptachlor	Target	1.8	UJ	ug/kg	1.8	U	1.0	YES	S3VEM
Aldrin	Target	1.8	UJ	ug/kg	1.8	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	1.8	UJ	ug/kg	1.8	U	1.0	YES	S3VEM
Endosulfan I	Target	1.8	UJ	ug/kg	1.8	U	1.0	YES	S3VEM
Dieldrin	Target	3.5	UJ	ug/kg	3.5	U	1.0	YES	S3VEM
4,4-DDE	Target	3.5	UJ	ug/kg	3.5	U	1.0	YES	S3VEM
Endrin	Target	3.5	UJ	ug/kg	3.5	U	1.0	YES	S3VEM
Endosulfan II	Target	3.5	UJ	ug/kg	3.5	U	1.0	YES	S3VEM
4,4-DDD	Target	3.5	UJ	ug/kg	3.5	U	1.0	YES	S3VEM
Endosulfan Sulfate	Target	3.5	UJ	ug/kg	3.5	U	1.0	YES	S3VEM
4,4-DDT	Target	3.5	UJ	ug/kg	3.5	U	1.0	YES	S3VEM
Methoxychlor	Target	18	UJ	ug/kg	18	U	1.0	YES	S3VEM
Endrin ketone	Target	3.5	UJ	ug/kg	3.5	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	3.5	UJ	ug/kg	3.5	U	1.0	YES	S3VEM
cis-Chlordane	Target	1.8	UJ	ug/kg	1.8	U	1.0	YES	S3VEM
trans-Chlordane	Target	1.8	UJ	ug/kg	1.8	U	1.0	YES	S3VEM
Toxaphene	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM

# Sample Summary Report

Case: 47126

Contract: EPW14030

SDG: BC8B5

Lab Code: CHM

Sample Number: BC8C0	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: P001-SS002	pH:	Sample Date: 07/27/2017	Sample Time: 13:42:00
% Moisture:		% Solids: 93.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	71	UJ	ug/kg	71	U	1.0	YES	S3VEM
Benzaldehyde	Target	350	U	ug/kg	350	U	1.0	YES	S3VEM
Phenol	Target	350	U	ug/kg	350	U	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	350	U	ug/kg	350	U	1.0	YES	S3VEM
2-Chlorophenol	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
2-Methylphenol	Target	350	U	ug/kg	350	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	350	U	ug/kg	350	U	1.0	YES	S3VEM
Acetophenone	Target	350	U	ug/kg	350	U	1.0	YES	S3VEM
4-Methylphenol	Target	350	U	ug/kg	350	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
Hexachloroethane	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
Nitrobenzene	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
Isophorone	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
2-Nitrophenol	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
Naphthalene	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
4-Chloroaniline	Target	350	U	ug/kg	350	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
Caprolactam	Target	350	U	ug/kg	350	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	350	U	ug/kg	350	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
2-Nitroaniline	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
Dimethylphthalate	Target	140	J	ug/kg	140	J	1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
Acenaphthylene	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
3-Nitroaniline	Target	350	U	ug/kg	350	U	1.0	YES	S3VEM
Acenaphthene	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	350	U	ug/kg	350	U	1.0	YES	S3VEM
4-Nitrophenol	Target	350	U	ug/kg	350	U	1.0	YES	S3VEM
Dibenzofuran	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
Diethylphthalate	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
Fluorene	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
4-Nitroaniline	Target	350	U	ug/kg	350	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	350	U	ug/kg	350	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
Atrazine	Target	350	U	ug/kg	350	U	1.0	YES	S3VEM
Pentachlorophenol	Target	350	U	ug/kg	350	U	1.0	YES	S3VEM
Phenanthrene	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
Anthracene	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM

# Sample Summary Report

Case: 47126

Contract: EPW14030

SDG: BC8B5

Lab Code: CHM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Carbazole	Target	350	U	ug/kg	350	U	1.0	YES	S3VEM
Di-n-butylphthalate	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
Fluoranthene	Target	350	U	ug/kg	350	U	1.0	YES	S3VEM
Pyrene	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
Butylbenzylphthalate	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	350	U	ug/kg	350	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
Chrysene	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
Di-n-octyl phthalate	Target	350	U	ug/kg	350	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
Benzo(a)pyrene	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
Total Alkanes	TIC			ug/kg			1.0	YES	S3VEM

# Sample Summary Report

Case: 47126

Contract: EPW14030

SDG: BC8B5

Lab Code: CHM

Sample Number: BC8C0	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: P001-SS002	pH:	Sample Date: 07/27/2017	Sample Time: 13:42:00
% Moisture:		% Solids: 93.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S3VEM
Chloromethane	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S3VEM
Vinyl chloride	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S3VEM
Bromomethane	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S3VEM
Chloroethane	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S3VEM
Acetone	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
Carbon disulfide	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S3VEM
Methyl Acetate	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S3VEM
Methylene chloride	Target	6.4	J	ug/kg	6.4	J	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S3VEM
2-Butanone	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
Bromochloromethane	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S3VEM
Chloroform	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S3VEM
Cyclohexane	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S3VEM
Benzene	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S3VEM
Trichloroethene	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S3VEM
Methylcyclohexane	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
Toluene	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S3VEM
2-Hexanone	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
Dibromochemicalmethane	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S3VEM
o-xylene	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S3VEM
Styrene	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S3VEM
Bromoform	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S3VEM
1,2,4-trichlorobenzene	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S3VEM
Total Alkanes	TIC	17	B	ug/kg	17	B	1.0	YES	S3VEM

# Sample Summary Report

Case: 47126

Contract: EPW14030

SDG: BC8B5

Lab Code: CHM

Sample Number: BC8C0MS	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 07/27/2017	Sample Time: 13:42:00
% Moisture:		% Solids: 93.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Spike	150		ug/kg	150		1.0	YES	S3VEM
Aroclor-1221	Target	35	U	ug/kg	35	U	1.0	YES	S3VEM
Aroclor-1232	Target	35	U	ug/kg	35	U	1.0	YES	S3VEM
Aroclor-1242	Target	35	U	ug/kg	35	U	1.0	YES	S3VEM
Aroclor-1248	Target	35	U	ug/kg	35	U	1.0	YES	S3VEM
Aroclor-1254	Target	35	U	ug/kg	35	U	1.0	YES	S3VEM
Aroclor-1260	Spike	210	J	ug/kg	210		1.0	YES	S3VEM
Aroclor-1262	Target	35	U	ug/kg	35	U	1.0	YES	S3VEM
Aroclor-1268	Target	35	U	ug/kg	35	U	1.0	YES	S3VEM

# Sample Summary Report

Case: 47126

Contract: EPW14030

SDG: BC8B5

Lab Code: CHM

Sample Number: BC8C0MS	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 07/27/2017	Sample Time: 13:42:00
% Moisture:		% Solids: 93.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	1.8	U	ug/kg	1.8	U	1.0	YES	S3VEM
beta-BHC	Target	1.8	U	ug/kg	1.8	U	1.0	YES	S3VEM
delta-BHC	Target	1.8	U	ug/kg	1.8	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Spike	9.2	J	ug/kg	9.2	P	1.0	YES	S3VEM
Heptachlor	Spike	8.4	J	ug/kg	8.4	P	1.0	YES	S3VEM
Aldrin	Spike	8.4	J	ug/kg	8.4	P	1.0	YES	S3VEM
Heptachlor epoxide	Target	1.8	UJ	ug/kg	1.8	U	1.0	YES	S3VEM
Endosulfan I	Target	1.8	UJ	ug/kg	1.8	U	1.0	YES	S3VEM
Dieldrin	Spike	15	J	ug/kg	15	P	1.0	YES	S3VEM
4,4-DDE	Target	3.5	UJ	ug/kg	3.5	U	1.0	YES	S3VEM
Endrin	Spike	16	J	ug/kg	16	P	1.0	YES	S3VEM
Endosulfan II	Target	3.5	UJ	ug/kg	3.5	U	1.0	YES	S3VEM
4,4-DDD	Target	3.5	UJ	ug/kg	3.5	U	1.0	YES	S3VEM
Endosulfan Sulfate	Target	3.5	UJ	ug/kg	3.5	U	1.0	YES	S3VEM
4,4-DDT	Spike	14	J	ug/kg	14	P	1.0	YES	S3VEM
Methoxychlor	Target	18	UJ	ug/kg	18	U	1.0	YES	S3VEM
Endrin ketone	Target	3.5	UJ	ug/kg	3.5	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	3.5	UJ	ug/kg	3.5	U	1.0	YES	S3VEM
cis-Chlordane	Target	1.8	UJ	ug/kg	1.8	U	1.0	YES	S3VEM
trans-Chlordane	Target	1.8	UJ	ug/kg	1.8	U	1.0	YES	S3VEM
Toxaphene	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM

# Sample Summary Report

Case: 47126

Contract: EPW14030

SDG: BC8B5

Lab Code: CHM

Sample Number: BC8C0MSD	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 07/27/2017	Sample Time: 13:42:00
% Moisture:		% Solids: 93.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Spike	150		ug/kg	150		1.0	YES	S3VEM
Aroclor-1221	Target	35	U	ug/kg	35	U	1.0	YES	S3VEM
Aroclor-1232	Target	35	U	ug/kg	35	U	1.0	YES	S3VEM
Aroclor-1242	Target	35	U	ug/kg	35	U	1.0	YES	S3VEM
Aroclor-1248	Target	35	U	ug/kg	35	U	1.0	YES	S3VEM
Aroclor-1254	Target	35	U	ug/kg	35	U	1.0	YES	S3VEM
Aroclor-1260	Spike	200	J	ug/kg	200		1.0	YES	S3VEM
Aroclor-1262	Target	35	U	ug/kg	35	U	1.0	YES	S3VEM
Aroclor-1268	Target	35	U	ug/kg	35	U	1.0	YES	S3VEM

# Sample Summary Report

Case: 47126

Contract: EPW14030

SDG: BC8B5

Lab Code: CHM

Sample Number: BC8C0MSD	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 07/27/2017	Sample Time: 13:42:00
% Moisture:		% Solids: 93.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	1.8	U	ug/kg	1.8	U	1.0	YES	S3VEM
beta-BHC	Target	1.8	U	ug/kg	1.8	U	1.0	YES	S3VEM
delta-BHC	Target	1.8	U	ug/kg	1.8	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Spike	11		ug/kg	11		1.0	YES	S3VEM
Heptachlor	Spike	8.6	J	ug/kg	8.6	P	1.0	YES	S3VEM
Aldrin	Spike	9.5	J	ug/kg	9.5	P	1.0	YES	S3VEM
Heptachlor epoxide	Target	1.8	UJ	ug/kg	1.8	U	1.0	YES	S3VEM
Endosulfan I	Target	1.8	UJ	ug/kg	1.8	U	1.0	YES	S3VEM
Dieldrin	Spike	17	NJ	ug/kg	17	P	1.0	YES	S3VEM
4,4-DDE	Target	3.5	UJ	ug/kg	3.5	U	1.0	YES	S3VEM
Endrin	Spike	19	J	ug/kg	19		1.0	YES	S3VEM
Endosulfan II	Target	3.5	UJ	ug/kg	3.5	U	1.0	YES	S3VEM
4,4-DDD	Target	3.5	UJ	ug/kg	3.5	U	1.0	YES	S3VEM
Endosulfan Sulfate	Target	3.5	UJ	ug/kg	3.5	U	1.0	YES	S3VEM
4,4-DDT	Spike	18	J	ug/kg	18	P	1.0	YES	S3VEM
Methoxychlor	Target	18	UJ	ug/kg	18	U	1.0	YES	S3VEM
Endrin ketone	Target	3.5	UJ	ug/kg	3.5	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	3.5	UJ	ug/kg	3.5	U	1.0	YES	S3VEM
cis-Chlordane	Target	1.8	UJ	ug/kg	1.8	U	1.0	YES	S3VEM
trans-Chlordane	Target	1.8	UJ	ug/kg	1.8	U	1.0	YES	S3VEM
Toxaphene	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM

# Sample Summary Report

Case: 47126

Contract: EPW14030

SDG: BC8B5

Lab Code: CHM

Sample Number: BC8C1	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: P001-SS002	pH:	Sample Date: 07/27/2017	Sample Time: 14:04:00
% Moisture:		% Solids: 93.4	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	35	U	ug/kg	35	U	1.0	YES	S3VEM
Aroclor-1221	Target	35	U	ug/kg	35	U	1.0	YES	S3VEM
Aroclor-1232	Target	35	U	ug/kg	35	U	1.0	YES	S3VEM
Aroclor-1242	Target	35	U	ug/kg	35	U	1.0	YES	S3VEM
Aroclor-1248	Target	35	U	ug/kg	35	U	1.0	YES	S3VEM
Aroclor-1254	Target	35	U	ug/kg	35	U	1.0	YES	S3VEM
Aroclor-1260	Target	62		ug/kg	62		1.0	YES	S3VEM
Aroclor-1262	Target	35	U	ug/kg	35	U	1.0	YES	S3VEM
Aroclor-1268	Target	35	U	ug/kg	35	U	1.0	YES	S3VEM

# Sample Summary Report

Case: 47126

Contract: EPW14030

SDG: BC8B5

Lab Code: CHM

Sample Number: BC8C1	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location: P001-SS002	pH:	Sample Date: 07/27/2017	Sample Time: 14:04:00
% Moisture:		% Solids: 93.4	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	1.8	U	ug/kg	1.8	U	1.0	YES	S3VEM
beta-BHC	Target	1.8	U	ug/kg	1.8	U	1.0	YES	S3VEM
delta-BHC	Target	1.8	U	ug/kg	1.8	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	1.8	U	ug/kg	1.8	U	1.0	YES	S3VEM
Heptachlor	Target	1.8	UJ	ug/kg	1.8	U	1.0	YES	S3VEM
Aldrin	Target	1.8	UJ	ug/kg	1.8	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	1.8	UJ	ug/kg	1.8	U	1.0	YES	S3VEM
Endosulfan I	Target	1.8	UJ	ug/kg	1.8	U	1.0	YES	S3VEM
Dieldrin	Target	3.5	UJ	ug/kg	3.5	U	1.0	YES	S3VEM
4,4-DDE	Target	3.5	UJ	ug/kg	3.5	U	1.0	YES	S3VEM
Endrin	Target	3.5	UJ	ug/kg	3.5	U	1.0	YES	S3VEM
Endosulfan II	Target	3.5	UJ	ug/kg	3.5	U	1.0	YES	S3VEM
4,4-DDD	Target	3.5	UJ	ug/kg	3.5	U	1.0	YES	S3VEM
Endosulfan Sulfate	Target	3.5	UJ	ug/kg	3.5	U	1.0	YES	S3VEM
4,4-DDT	Target	3.5	UJ	ug/kg	3.5	U	1.0	YES	S3VEM
Methoxychlor	Target	18	UJ	ug/kg	18	U	1.0	YES	S3VEM
Endrin ketone	Target	3.5	UJ	ug/kg	3.5	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	3.5	UJ	ug/kg	3.5	U	1.0	YES	S3VEM
cis-Chlordane	Target	1.8	UJ	ug/kg	1.8	U	1.0	YES	S3VEM
trans-Chlordane	Target	1.8	UJ	ug/kg	1.8	U	1.0	YES	S3VEM
Toxaphene	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM

# Sample Summary Report

Case: 47126

Contract: EPW14030

SDG: BC8B5

Lab Code: CHM

Sample Number: BC8C1	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: P001-SS002	pH:	Sample Date: 07/27/2017	Sample Time: 14:04:00
% Moisture:		% Solids: 93.4	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	71	U	ug/kg	71	U	1.0	YES	S3VEM
Benzaldehyde	Target	350	U	ug/kg	350	U	1.0	YES	S3VEM
Phenol	Target	100	J	ug/kg	100	J	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	350	U	ug/kg	350	U	1.0	YES	S3VEM
2-Chlorophenol	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
2-Methylphenol	Target	350	U	ug/kg	350	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	350	U	ug/kg	350	U	1.0	YES	S3VEM
Acetophenone	Target	350	U	ug/kg	350	U	1.0	YES	S3VEM
4-Methylphenol	Target	350	U	ug/kg	350	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
Hexachloroethane	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
Nitrobenzene	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
Isophorone	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
2-Nitrophenol	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
Naphthalene	Target	280		ug/kg	280		1.0	YES	S3VEM
4-Chloroaniline	Target	350	U	ug/kg	350	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
Caprolactam	Target	350	U	ug/kg	350	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	42	J	ug/kg	42	J	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	350	U	ug/kg	350	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	180	UJ	ug/kg	180	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
2-Nitroaniline	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
Dimethylphthalate	Target	370		ug/kg	370		1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
Acenaphthylene	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
3-Nitroaniline	Target	350	U	ug/kg	350	U	1.0	YES	S3VEM
Acenaphthene	Target	37	J	ug/kg	37	J	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	350	U	ug/kg	350	U	1.0	YES	S3VEM
4-Nitrophenol	Target	350	U	ug/kg	350	U	1.0	YES	S3VEM
Dibenzofuran	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
Diethylphthalate	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
Fluorene	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
4-Nitroaniline	Target	350	U	ug/kg	350	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	350	U	ug/kg	350	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
Atrazine	Target	350	U	ug/kg	350	U	1.0	YES	S3VEM
Pentachlorophenol	Target	350	U	ug/kg	350	U	1.0	YES	S3VEM
Phenanthrene	Target	110	J	ug/kg	110	J	1.0	YES	S3VEM
Anthracene	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM

# Sample Summary Report

Case: 47126

Contract: EPW14030

SDG: BC8B5

Lab Code: CHM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Carbazole	Target	350	U	ug/kg	350	U	1.0	YES	S3VEM
Di-n-butylphthalate	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
Fluoranthene	Target	120	J	ug/kg	120	J	1.0	YES	S3VEM
Pyrene	Target	120	J	ug/kg	120	J	1.0	YES	S3VEM
Butylbenzylphthalate	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	350	U	ug/kg	350	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	68	J	ug/kg	68	J	1.0	YES	S3VEM
Chrysene	Target	90	J	ug/kg	90	J	1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
Di-n-octyl phthalate	Target	350	U	ug/kg	350	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	120	J	ug/kg	120	J	1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	44	J	ug/kg	44	J	1.0	YES	S3VEM
Benzo(a)pyrene	Target	83	J	ug/kg	83	J	1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
Octadecanoic acid	TIC	120	J	ug/kg	120	J	1.0	YES	S3VEM
Pentadecanoic acid	TIC	200	J	ug/kg	200	J	1.0	YES	S3VEM
unknown02	TIC	310	J	ug/kg	310	J	1.0	YES	S3VEM
Binaphthyl sulfone	TIC	750	J	ug/kg	750	J	1.0	YES	S3VEM
unknown03	TIC	1200	J	ug/kg	1200	J	1.0	YES	S3VEM
unknown01	TIC	130	J	ug/kg	130	J	1.0	YES	S3VEM
Benzene, 1,2,3-trimethyl-	TIC	150	J	ug/kg	150	J	1.0	YES	S3VEM
Benzene, 1,3-dimethyl-	TIC	110	J	ug/kg	110	J	1.0	YES	S3VEM
Benzene, 1,2,4-trimethyl-	TIC	81	J	ug/kg	81	J	1.0	YES	S3VEM
Total Alkanes	TIC	170		ug/kg	170		1.0	YES	S3VEM
Guanidine	TIC	150	J	ug/kg	150	J	1.0	YES	S3VEM

# Sample Summary Report

Case: 47126

Contract: EPW14030

SDG: BC8B5

Lab Code: CHM

Sample Number: BC8C1	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: P001-SS002	pH:	Sample Date: 07/27/2017	Sample Time: 14:04:00
% Moisture:		% Solids: 93.4	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
Chloromethane	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
Bromomethane	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
Chloroethane	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
Acetone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Carbon disulfide	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
Methylene chloride	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
2-Butanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
Chloroform	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
Cyclohexane	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
Benzene	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
Trichloroethene	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Toluene	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
2-Hexanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Dibromochemicalmethane	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
o-xylene	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
Styrene	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
Bromoform	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
1,2,4-trichlorobenzene	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
Total Alkanes	TIC			ug/kg			1.0	YES	S3VEM

# Sample Summary Report

Case: 47126

Contract: EPW14030

SDG: BC8B5

Lab Code: CHM

Sample Number: PBLK20	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	1.7	U	ug/kg	1.7	U	1.0	YES	S3VEM
beta-BHC	Target	1.7	U	ug/kg	1.7	U	1.0	YES	S3VEM
delta-BHC	Target	1.7	U	ug/kg	1.7	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	1.7	U	ug/kg	1.7	U	1.0	YES	S3VEM
Heptachlor	Target	1.7	U	ug/kg	1.7	U	1.0	YES	S3VEM
Aldrin	Target	1.7	U	ug/kg	1.7	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	1.7	U	ug/kg	1.7	U	1.0	YES	S3VEM
Endosulfan I	Target	1.7	U	ug/kg	1.7	U	1.0	YES	S3VEM
Dieldrin	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
4,4-DDE	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
Endrin	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
Endosulfan II	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
4,4-DDD	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
Endosulfan Sulfate	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
4,4-DDT	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
Methoxychlor	Target	17	U	ug/kg	17	U	1.0	YES	S3VEM
Endrin ketone	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
cis-Chlordane	Target	1.7	U	ug/kg	1.7	U	1.0	YES	S3VEM
trans-Chlordane	Target	1.7	U	ug/kg	1.7	U	1.0	YES	S3VEM
Toxaphene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM

# Sample Summary Report

Case: 47126

Contract: EPW14030

SDG: BC8B5

Lab Code: CHM

Sample Number: PLCS20	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	1.7	U	ug/kg	1.7	U	1.0	YES	S3VEM
beta-BHC	Target	1.7	U	ug/kg	1.7	U	1.0	YES	S3VEM
delta-BHC	Target	1.7	U	ug/kg	1.7	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Spike	18		ug/kg	18		1.0	YES	S3VEM
Heptachlor	Target	1.7	U	ug/kg	1.7	U	1.0	YES	S3VEM
Aldrin	Target	1.7	U	ug/kg	1.7	U	1.0	YES	S3VEM
Heptachlor epoxide	Spike	18		ug/kg	18		1.0	YES	S3VEM
Endosulfan I	Target	1.7	U	ug/kg	1.7	U	1.0	YES	S3VEM
Dieldrin	Spike	36		ug/kg	36		1.0	YES	S3VEM
4,4-DDE	Spike	36		ug/kg	36		1.0	YES	S3VEM
Endrin	Spike	33		ug/kg	33		1.0	YES	S3VEM
Endosulfan II	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
4,4-DDD	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
Endosulfan Sulfate	Spike	24		ug/kg	24		1.0	YES	S3VEM
4,4-DDT	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
Methoxychlor	Target	17	U	ug/kg	17	U	1.0	YES	S3VEM
Endrin ketone	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
cis-Chlordane	Target	1.7	U	ug/kg	1.7	U	1.0	YES	S3VEM
trans-Chlordane	Spike	18		ug/kg	18		1.0	YES	S3VEM
Toxaphene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM

# Sample Summary Report

Case: 47126

Contract: EPW14030

SDG: BC8B5

Lab Code: CHM

Sample Number: SBLK10	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	67	U	ug/kg	67	U	1.0	YES	S3VEM
Benzaldehyde	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Phenol	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
2-Chlorophenol	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
2-Methylphenol	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Acetophenone	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
4-Methylphenol	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Hexachloroethane	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Nitrobenzene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Isophorone	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
2-Nitrophenol	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Naphthalene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
4-Chloroaniline	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Caprolactam	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
2-Nitroaniline	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Dimethylphthalate	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Acenaphthylene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
3-Nitroaniline	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Acenaphthene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
4-Nitrophenol	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Dibenzofuran	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Diethylphthalate	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Fluorene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
4-Nitroaniline	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Atrazine	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Pentachlorophenol	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Phenanthrene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Anthracene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Carbazole	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Di-n-butylphthalate	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM

# Sample Summary Report

Case: 47126

Contract: EPW14030

SDG: BC8B5

Lab Code: CHM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Fluoranthene	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Pyrene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Butylbenzylphthalate	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Chrysene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Di-n-octyl phthalate	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Benzo(a)pyrene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Sulfurous acid, butyl tetradecyl ester	TIC	74	J	ug/kg	74	J	1.0	YES	S3VEM
Total Alkanes	TIC	160		ug/kg	160		1.0	YES	S3VEM
Sulfurous acid, butyl decyl ester	TIC	75	J	ug/kg	75	J	1.0	YES	S3VEM

# Sample Summary Report

Case: 47126

Contract: EPW14030

SDG: BC8B5

Lab Code: CHM

Sample Number: VBLK01	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Acetone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Carbon disulfide	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methylene chloride	Target	5.9		ug/kg	5.9		1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
2-Butanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloroform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Benzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Trichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Toluene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
2-Hexanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Dibromochemicalmethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
o-xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Styrene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,4-trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Total Alkanes	TIC			ug/kg			1.0	YES	S3VEM

# Sample Summary Report

Case: 47126

Contract: EPW14030

SDG: BC8B5

Lab Code: CHM

Sample Number: VBLK02	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Acetone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Carbon disulfide	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methylene chloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
2-Butanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloroform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Benzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Trichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Toluene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
2-Hexanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Dibromochemicalmethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
o-xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Styrene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,4-trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Total Alkanes	TIC			ug/kg			1.0	YES	S3VEM

# Sample Summary Report

Case: 47126

Contract: EPW14030

SDG: BC8B5

Lab Code: CHM

Sample Number: VBLK03	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Acetone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Carbon disulfide	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methylene chloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
2-Butanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloroform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Benzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Trichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Toluene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
2-Hexanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Dibromochemicalmethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
o-xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Styrene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,4-trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Total Alkanes	TIC			ug/kg			1.0	YES	S3VEM

# Sample Summary Report

Case: 47126

Contract: EPW14030

SDG: BC8B5

Lab Code: CHM

Sample Number: VBLK04	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Acetone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Carbon disulfide	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methylene chloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
2-Butanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloroform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Benzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Trichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Toluene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
2-Hexanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Dibromochemicalmethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
o-xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Styrene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,4-trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Total Alkanes	TIC			ug/kg			1.0	YES	S3VEM

# Sample Summary Report

Case: 47126

Contract: EPW14030

SDG: BC8B5

Lab Code: CHM

Sample Number: VBLK20	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Acetone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Carbon disulfide	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methylene chloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
2-Butanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloroform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Benzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Trichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Toluene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
2-Hexanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Dibromochemicalmethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
o-xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Styrene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,4-trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Total Alkanes	TIC			ug/kg			1.0	YES	S3VEM

# Sample Summary Report

Case: 47126

Contract: EPW14030

SDG: BC8B5

Lab Code: CHM

Sample Number: VHBLK01	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Acetone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Carbon disulfide	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methylene chloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
2-Butanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloroform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Benzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Trichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Toluene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
2-Hexanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Dibromochemicalmethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
o-xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Styrene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,4-trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Total Alkanes	TIC			ug/kg			1.0	YES	S3VEM

# Sample Summary Report

Case: 47126

Contract: EPW14030

SDG: BC8B5

Lab Code: CHM

# Sample Summary Report

Case: 47126

Contract: EPW14030

SDG: MBC8B5

Lab Code: CHM

Sample Number: LCS002	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Spike	38.7		mg/kg	38.7		1.0	YES	S3VEM
Antimony	Spike	11.3		mg/kg	11.3		1.0	YES	S3VEM
Arsenic	Spike	1.8		mg/kg	1.8		1.0	YES	S3VEM
Barium	Spike	36.6		mg/kg	36.6		1.0	YES	S3VEM
Beryllium	Spike	1.0		mg/kg	1.0		1.0	YES	S3VEM
Cadmium	Spike	1.0		mg/kg	1.0		1.0	YES	S3VEM
Calcium	Spike	1010		mg/kg	1010		1.0	YES	S3VEM
Chromium	Spike	2.3		mg/kg	2.3		1.0	YES	S3VEM
Cobalt	Spike	9.4		mg/kg	9.4		1.0	YES	S3VEM
Copper	Spike	5.2		mg/kg	5.2		1.0	YES	S3VEM
Iron	Spike	25.6		mg/kg	25.6		1.0	YES	S3VEM
Lead	Spike	2.3		mg/kg	2.3		1.0	YES	S3VEM
Magnesium	Spike	973		mg/kg	973		1.0	YES	S3VEM
Manganese	Spike	3.5		mg/kg	3.5		1.0	YES	S3VEM
Nickel	Spike	7.5		mg/kg	7.5		1.0	YES	S3VEM
Potassium	Spike	916		mg/kg	916		1.0	YES	S3VEM
Selenium	Spike	6.7		mg/kg	6.7		1.0	YES	S3VEM
Silver	Spike	2.0		mg/kg	2.0		1.0	YES	S3VEM
Sodium	Spike	982		mg/kg	982		1.0	YES	S3VEM
Thallium	Spike	4.9		mg/kg	4.9		1.0	YES	S3VEM
Vanadium	Spike	10.1		mg/kg	10.1		1.0	YES	S3VEM
Zinc	Spike	12.6		mg/kg	12.6		1.0	YES	S3VEM

# Sample Summary Report

Case: 47126

Contract: EPW14030

SDG: MBC8B5

Lab Code: CHM

Sample Number: MBC8B5	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location: P001-SS001	pH:	Sample Date: 07/27/2017	Sample Time: 13:10:00
% Moisture:		% Solids: 92.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	0.52	U	mg/kg	0.52	U	1.0	YES	S3VEM

# Sample Summary Report

Case: 47126

Contract: EPW14030

SDG: MBC8B5

Lab Code: CHM

Sample Number: MBC8B5	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: P001-SS001	pH:	Sample Date: 07/27/2017	Sample Time: 13:10:00
% Moisture:		% Solids: 92.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.050	J	mg/kg	0.050	J	1.0	YES	S3VEM

# Sample Summary Report

Case: 47126

Contract: EPW14030

SDG: MBC8B5

Lab Code: CHM

Sample Number: MBC8B5	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: P001-SS001	pH:	Sample Date: 07/27/2017	Sample Time: 13:10:00
% Moisture:		% Solids: 92.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	1980		mg/kg	1980		1.0	YES	S3VEM
Antimony	Target	4.6	U	mg/kg	4.6	U	1.0	YES	S3VEM
Arsenic	Target	2.2		mg/kg	2.2		1.0	YES	S3VEM
Barium	Target	23.0		mg/kg	23.0		1.0	YES	S3VEM
Beryllium	Target	0.24	J	mg/kg	0.24	J	1.0	YES	S3VEM
Cadmium	Target	1.4		mg/kg	1.4		1.0	YES	S3VEM
Calcium	Target	30800		mg/kg	30800		1.0	YES	S3VEM
Chromium	Target	5.0		mg/kg	5.0		1.0	YES	S3VEM
Cobalt	Target	1.9	J	mg/kg	1.9	J	1.0	YES	S3VEM
Copper	Target	76.7		mg/kg	76.7	*	1.0	YES	S3VEM
Iron	Target	6170		mg/kg	6170	*	1.0	YES	S3VEM
Lead	Target	22.3		mg/kg	22.3		1.0	YES	S3VEM
Magnesium	Target	1870		mg/kg	1870		1.0	YES	S3VEM
Manganese	Target	103		mg/kg	103	*	1.0	YES	S3VEM
Nickel	Target	6.6		mg/kg	6.6		1.0	YES	S3VEM
Potassium	Target	253	J	mg/kg	253	J	1.0	YES	S3VEM
Selenium	Target	2.7	U	mg/kg	2.7	U	1.0	YES	S3VEM
Silver	Target	0.76	U	mg/kg	0.76	U*	1.0	YES	S3VEM
Sodium	Target	250	J	mg/kg	250	J	1.0	YES	S3VEM
Thallium	Target	1.9	U	mg/kg	1.9	U*	1.0	YES	S3VEM
Vanadium	Target	4.2		mg/kg	4.2		1.0	YES	S3VEM
Zinc	Target	57.6		mg/kg	57.6		1.0	YES	S3VEM

# Sample Summary Report

Case: 47126

Contract: EPW14030

SDG: MBC8B5

Lab Code: CHM

Sample Number: MBC8B7	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location: P001-SS005	pH:	Sample Date: 07/27/2017	Sample Time: 15:15:00
% Moisture:	% Solids: 83.9		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	0.14	J	mg/kg	0.14	J	1.0	YES	S3VEM

# Sample Summary Report

Case: 47126

Contract: EPW14030

SDG: MBC8B5

Lab Code: CHM

Sample Number: MBC8B7	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: P001-SS005	pH:	Sample Date: 07/27/2017	Sample Time: 15:15:00
% Moisture:		% Solids: 83.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.13		mg/kg	0.13		1.0	YES	S3VEM

# Sample Summary Report

Case: 47126

Contract: EPW14030

SDG: MBC8B5

Lab Code: CHM

Sample Number: MBC8B7	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: P001-SS005	pH:	Sample Date: 07/27/2017	Sample Time: 15:15:00
% Moisture:		% Solids: 83.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	2600		mg/kg	2600		1.0	YES	S3VEM
Antimony	Target	5.1	U	mg/kg	5.1	U	1.0	YES	S3VEM
Arsenic	Target	8.1		mg/kg	8.1		1.0	YES	S3VEM
Barium	Target	74.6		mg/kg	74.6		1.0	YES	S3VEM
Beryllium	Target	0.37	J	mg/kg	0.37	J	1.0	YES	S3VEM
Cadmium	Target	3.3		mg/kg	3.3		1.0	YES	S3VEM
Calcium	Target	31800		mg/kg	31800		1.0	YES	S3VEM
Chromium	Target	14.2		mg/kg	14.2		1.0	YES	S3VEM
Cobalt	Target	4.2	J	mg/kg	4.2	J	1.0	YES	S3VEM
Copper	Target	101		mg/kg	101	*	1.0	YES	S3VEM
Iron	Target	19200		mg/kg	19200	*	1.0	YES	S3VEM
Lead	Target	121		mg/kg	121		1.0	YES	S3VEM
Magnesium	Target	2500		mg/kg	2500		1.0	YES	S3VEM
Manganese	Target	172		mg/kg	172	*	1.0	YES	S3VEM
Nickel	Target	13.5		mg/kg	13.5		1.0	YES	S3VEM
Potassium	Target	458		mg/kg	458		1.0	YES	S3VEM
Selenium	Target	3.0	U	mg/kg	3.0	U	1.0	YES	S3VEM
Silver	Target	0.70	J	mg/kg	0.70	J*	1.0	YES	S3VEM
Sodium	Target	171	J	mg/kg	171	J	1.0	YES	S3VEM
Thallium	Target	2.1	U	mg/kg	2.1	U*	1.0	YES	S3VEM
Vanadium	Target	6.9		mg/kg	6.9		1.0	YES	S3VEM
Zinc	Target	249		mg/kg	249		1.0	YES	S3VEM

# Sample Summary Report

Case: 47126

Contract: EPW14030

SDG: MBC8B5

Lab Code: CHM

Sample Number: MBC8B8	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location: P001-SS004	pH:	Sample Date: 07/27/2017	Sample Time: 15:00:00
% Moisture:		% Solids: 79.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	0.11	J	mg/kg	0.11	J	1.0	YES	S3VEM

# Sample Summary Report

Case: 47126

Contract: EPW14030

SDG: MBC8B5

Lab Code: CHM

Sample Number: MBC8B8	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: P001-SS004	pH:	Sample Date: 07/27/2017	Sample Time: 15:00:00
% Moisture:		% Solids: 79.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.11		mg/kg	0.11		1.0	YES	S3VEM

# Sample Summary Report

Case: 47126

Contract: EPW14030

SDG: MBC8B5

Lab Code: CHM

Sample Number: MBC8B8	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: P001-SS004	pH:	Sample Date: 07/27/2017	Sample Time: 15:00:00
% Moisture:		% Solids: 79.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	2170		mg/kg	2170		1.0	YES	S3VEM
Antimony	Target	5.6	U	mg/kg	5.6	U	1.0	YES	S3VEM
Arsenic	Target	4.2		mg/kg	4.2		1.0	YES	S3VEM
Barium	Target	54.6		mg/kg	54.6		1.0	YES	S3VEM
Beryllium	Target	0.30	J	mg/kg	0.30	J	1.0	YES	S3VEM
Cadmium	Target	4.4		mg/kg	4.4		1.0	YES	S3VEM
Calcium	Target	46400		mg/kg	46400		1.0	YES	S3VEM
Chromium	Target	24.4		mg/kg	24.4		1.0	YES	S3VEM
Cobalt	Target	4.9		mg/kg	4.9		1.0	YES	S3VEM
Copper	Target	176		mg/kg	176	*	1.0	YES	S3VEM
Iron	Target	11300		mg/kg	11300	*	1.0	YES	S3VEM
Lead	Target	227		mg/kg	227		1.0	YES	S3VEM
Magnesium	Target	2980		mg/kg	2980		1.0	YES	S3VEM
Manganese	Target	134		mg/kg	134	*	1.0	YES	S3VEM
Nickel	Target	17.8		mg/kg	17.8		1.0	YES	S3VEM
Potassium	Target	405	J	mg/kg	405	J	1.0	YES	S3VEM
Selenium	Target	3.3	U	mg/kg	3.3	U	1.0	YES	S3VEM
Silver	Target	0.41	J	mg/kg	0.41	J*	1.0	YES	S3VEM
Sodium	Target	140	J	mg/kg	140	J	1.0	YES	S3VEM
Thallium	Target	2.3	U	mg/kg	2.3	U*	1.0	YES	S3VEM
Vanadium	Target	6.3		mg/kg	6.3		1.0	YES	S3VEM
Zinc	Target	181		mg/kg	181		1.0	YES	S3VEM

# Sample Summary Report

Case: 47126

Contract: EPW14030

SDG: MBC8B5

Lab Code: CHM

Sample Number: MBC8B9	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location: P001-SS003	pH:	Sample Date: 07/27/2017	Sample Time: 14:50:00
% Moisture:	% Solids: 91.9		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	0.076	J	mg/kg	0.076	J	1.0	YES	S3VEM

# Sample Summary Report

Case: 47126

Contract: EPW14030

SDG: MBC8B5

Lab Code: CHM

Sample Number: MBC8B9	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: P001-SS003	pH:	Sample Date: 07/27/2017	Sample Time: 14:50:00
% Moisture:		% Solids: 91.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.041	J	mg/kg	0.041	J	1.0	YES	S3VEM

# Sample Summary Report

Case: 47126

Contract: EPW14030

SDG: MBC8B5

Lab Code: CHM

Sample Number: MBC8B9	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: P001-SS003	pH:	Sample Date: 07/27/2017	Sample Time: 14:50:00
% Moisture:		% Solids: 91.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	1710		mg/kg	1710		1.0	YES	S3VEM
Antimony	Target	4.7	U	mg/kg	4.7	U	1.0	YES	S3VEM
Arsenic	Target	1.1		mg/kg	1.1		1.0	YES	S3VEM
Barium	Target	32.6		mg/kg	32.6		1.0	YES	S3VEM
Beryllium	Target	0.19	J	mg/kg	0.19	J	1.0	YES	S3VEM
Cadmium	Target	1.1		mg/kg	1.1		1.0	YES	S3VEM
Calcium	Target	78900		mg/kg	78900	D	10.0	YES	S3VEM
Chromium	Target	4.9		mg/kg	4.9		1.0	YES	S3VEM
Cobalt	Target	1.6	J	mg/kg	1.6	J	1.0	YES	S3VEM
Copper	Target	90.6		mg/kg	90.6	*	1.0	YES	S3VEM
Iron	Target	5630		mg/kg	5630	*	1.0	YES	S3VEM
Lead	Target	44.5		mg/kg	44.5		1.0	YES	S3VEM
Magnesium	Target	4450		mg/kg	4450		1.0	YES	S3VEM
Manganese	Target	175		mg/kg	175	*	1.0	YES	S3VEM
Nickel	Target	7.9		mg/kg	7.9		1.0	YES	S3VEM
Potassium	Target	357	J	mg/kg	357	J	1.0	YES	S3VEM
Selenium	Target	2.8	U	mg/kg	2.8	U	1.0	YES	S3VEM
Silver	Target	0.22	J	mg/kg	0.22	J*	1.0	YES	S3VEM
Sodium	Target	88.7	J	mg/kg	88.7	J	1.0	YES	S3VEM
Thallium	Target	2.0	U	mg/kg	2.0	U*	1.0	YES	S3VEM
Vanadium	Target	5.3		mg/kg	5.3		1.0	YES	S3VEM
Zinc	Target	349		mg/kg	349		1.0	YES	S3VEM

# Sample Summary Report

Case: 47126

Contract: EPW14030

SDG: MBC8B5

Lab Code: CHM

Sample Number: MBC8C0	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location: P001-SS002	pH:	Sample Date: 07/27/2017	Sample Time: 13:42:00
% Moisture:		% Solids: 93.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	0.52	U	mg/kg	0.52	U	1.0	YES	S3VEM

# Sample Summary Report

Case: 47126

Contract: EPW14030

SDG: MBC8B5

Lab Code: CHM

Sample Number: MBC8C0	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: P001-SS002	pH:	Sample Date: 07/27/2017	Sample Time: 13:42:00
% Moisture:	% Solids: 93.6		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.13		mg/kg	0.13		1.0	YES	S3VEM

# Sample Summary Report

Case: 47126

Contract: EPW14030

SDG: MBC8B5

Lab Code: CHM

Sample Number: MBC8C0	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: P001-SS002	pH:	Sample Date: 07/27/2017	Sample Time: 13:42:00
% Moisture:		% Solids: 93.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	1530		mg/kg	1530		1.0	YES	S3VEM
Antimony	Target	4.7	U	mg/kg	4.7	U	1.0	YES	S3VEM
Arsenic	Target	8.6		mg/kg	8.6		1.0	YES	S3VEM
Barium	Target	20.6		mg/kg	20.6		1.0	YES	S3VEM
Beryllium	Target	0.23	J	mg/kg	0.23	J	1.0	YES	S3VEM
Cadmium	Target	0.81		mg/kg	0.81		1.0	YES	S3VEM
Calcium	Target	29300	J	mg/kg	29300		1.0	YES	S3VEM
Chromium	Target	3.3	J	mg/kg	3.3		1.0	YES	S3VEM
Cobalt	Target	2.1	J	mg/kg	2.1	J	1.0	YES	S3VEM
Copper	Target	22.5	J	mg/kg	22.5	*	1.0	YES	S3VEM
Iron	Target	7280		mg/kg	7280	*	1.0	YES	S3VEM
Lead	Target	14.5		mg/kg	14.5		1.0	YES	S3VEM
Magnesium	Target	2200		mg/kg	2200		1.0	YES	S3VEM
Manganese	Target	95.4		mg/kg	95.4	*	1.0	YES	S3VEM
Nickel	Target	5.4		mg/kg	5.4		1.0	YES	S3VEM
Potassium	Target	255	J	mg/kg	255	J	1.0	YES	S3VEM
Selenium	Target	2.7	U	mg/kg	2.7	U	1.0	YES	S3VEM
Silver	Target	0.78	UJ	mg/kg	0.78	U*	1.0	YES	S3VEM
Sodium	Target	443		mg/kg	443		1.0	YES	S3VEM
Thallium	Target	2.0	U	mg/kg	2.0	U*	1.0	YES	S3VEM
Vanadium	Target	4.2		mg/kg	4.2		1.0	YES	S3VEM
Zinc	Target	41.0		mg/kg	41.0		1.0	YES	S3VEM

# Sample Summary Report

Case: 47126

Contract: EPW14030

SDG: MBC8B5

Lab Code: CHM

Sample Number: MBC8C0A	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 07/27/2017	Sample Time: 13:42:00
% Moisture:		% Solids: 93.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Thallium	Spike	3.8		mg/kg	3.8		1.0	YES	S3VEM

# Sample Summary Report

Case: 47126

Contract: EPW14030

SDG: MBC8B5

Lab Code: CHM

Sample Number: MBC8C0D	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 07/27/2017	Sample Time: 13:42:00
% Moisture:		% Solids: 93.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	0.52	U	mg/kg	0.52	U	1.0	YES	S3VEM

# Sample Summary Report

Case: 47126

Contract: EPW14030

SDG: MBC8B5

Lab Code: CHM

Sample Number: MBC8C0D	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 07/27/2017	Sample Time: 13:42:00
% Moisture:		% Solids: 93.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.11		mg/kg	0.11		1.0	YES	S3VEM

# Sample Summary Report

Case: 47126

Contract: EPW14030

SDG: MBC8B5

Lab Code: CHM

Sample Number: MBC8C0D	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 07/27/2017	Sample Time: 13:42:00
% Moisture:		% Solids: 93.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	1520		mg/kg	1520		1.0	YES	S3VEM
Antimony	Target	4.7	U	mg/kg	4.7	U	1.0	YES	S3VEM
Arsenic	Target	8.7		mg/kg	8.7		1.0	YES	S3VEM
Barium	Target	20.7		mg/kg	20.7		1.0	YES	S3VEM
Beryllium	Target	0.24	J	mg/kg	0.24	J	1.0	YES	S3VEM
Cadmium	Target	0.81		mg/kg	0.81		1.0	YES	S3VEM
Calcium	Target	28800		mg/kg	28800		1.0	YES	S3VEM
Chromium	Target	3.3		mg/kg	3.3		1.0	YES	S3VEM
Cobalt	Target	2.2	J	mg/kg	2.2	J	1.0	YES	S3VEM
Copper	Target	22.8		mg/kg	22.8		1.0	YES	S3VEM
Iron	Target	7310		mg/kg	7310		1.0	YES	S3VEM
Lead	Target	14.5		mg/kg	14.5		1.0	YES	S3VEM
Magnesium	Target	2180		mg/kg	2180		1.0	YES	S3VEM
Manganese	Target	95.2		mg/kg	95.2		1.0	YES	S3VEM
Nickel	Target	5.4		mg/kg	5.4		1.0	YES	S3VEM
Potassium	Target	251	J	mg/kg	251	J	1.0	YES	S3VEM
Selenium	Target	2.8	U	mg/kg	2.8	U	1.0	YES	S3VEM
Silver	Target	0.79	U	mg/kg	0.79	U	1.0	YES	S3VEM
Sodium	Target	443		mg/kg	443		1.0	YES	S3VEM
Thallium	Target	2.0	U	mg/kg	2.0	U	1.0	YES	S3VEM
Vanadium	Target	4.1		mg/kg	4.1		1.0	YES	S3VEM
Zinc	Target	41.5		mg/kg	41.5		1.0	YES	S3VEM

# Sample Summary Report

Case: 47126

Contract: EPW14030

SDG: MBC8B5

Lab Code: CHM

Sample Number: MBC8C0L	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 93.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	1650		mg/kg	1650		5.0	YES	S3VEM
Antimony	Target	23.5	U	mg/kg	23.5	U	5.0	YES	S3VEM
Arsenic	Target	10.1		mg/kg	10.1		5.0	YES	S3VEM
Barium	Target	22.4	J	mg/kg	22.4	J	5.0	YES	S3VEM
Beryllium	Target	0.27	J	mg/kg	0.27	J	5.0	YES	S3VEM
Cadmium	Target	0.68	J	mg/kg	0.68	J	5.0	YES	S3VEM
Calcium	Target	31500		mg/kg	31500		5.0	YES	S3VEM
Chromium	Target	4.1		mg/kg	4.1		5.0	YES	S3VEM
Cobalt	Target	1.7	J	mg/kg	1.7	J	5.0	YES	S3VEM
Copper	Target	25.4		mg/kg	25.4	*	5.0	YES	S3VEM
Iron	Target	8340		mg/kg	8340	*	5.0	YES	S3VEM
Lead	Target	15.0		mg/kg	15.0		5.0	YES	S3VEM
Magnesium	Target	2430		mg/kg	2430		5.0	YES	S3VEM
Manganese	Target	109		mg/kg	109	*	5.0	YES	S3VEM
Nickel	Target	5.4	J	mg/kg	5.4	J	5.0	YES	S3VEM
Potassium	Target	256	J	mg/kg	256	J	5.0	YES	S3VEM
Selenium	Target	13.5	U	mg/kg	13.5	U	5.0	YES	S3VEM
Silver	Target	3.9	U	mg/kg	3.9	U	5.0	YES	S3VEM
Sodium	Target	462	J	mg/kg	462	J	5.0	YES	S3VEM
Thallium	Target	10.0	U	mg/kg	10.0	U	5.0	YES	S3VEM
Vanadium	Target	4.6	J	mg/kg	4.6	J	5.0	YES	S3VEM
Zinc	Target	43.8		mg/kg	43.8		5.0	YES	S3VEM

# Sample Summary Report

Case: 47126

Contract: EPW14030

SDG: MBC8B5

Lab Code: CHM

Sample Number: MBC8C0S	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 07/27/2017	Sample Time: 13:42:00
% Moisture:		% Solids: 93.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Spike	4.4		mg/kg	4.4		1.0	YES	S3VEM

# Sample Summary Report

Case: 47126

Contract: EPW14030

SDG: MBC8B5

Lab Code: CHM

Sample Number: MBC8C0S	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 07/27/2017	Sample Time: 13:42:00
% Moisture:		% Solids: 93.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Spike	0.60		mg/kg	0.60		1.0	YES	S3VEM

# Sample Summary Report

Case: 47126

Contract: EPW14030

SDG: MBC8B5

Lab Code: CHM

Sample Number: MBC8C0S	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 07/27/2017	Sample Time: 13:42:00
% Moisture:		% Solids: 93.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Spike	16.3		mg/kg	16.3		1.0	YES	S3VEM
Arsenic	Spike	14.6		mg/kg	14.6		1.0	YES	S3VEM
Barium	Spike	350		mg/kg	350		1.0	YES	S3VEM
Beryllium	Spike	7.5		mg/kg	7.5		1.0	YES	S3VEM
Cadmium	Spike	9.4		mg/kg	9.4		1.0	YES	S3VEM
Chromium	Spike	34.5		mg/kg	34.5		1.0	YES	S3VEM
Cobalt	Spike	92.5		mg/kg	92.5		1.0	YES	S3VEM
Copper	Spike	63.9		mg/kg	63.9		1.0	YES	S3VEM
Lead	Spike	18.0		mg/kg	18.0		1.0	YES	S3VEM
Manganese	Spike	177		mg/kg	177		1.0	YES	S3VEM
Nickel	Spike	93.1		mg/kg	93.1		1.0	YES	S3VEM
Selenium	Spike	6.9		mg/kg	6.9		1.0	YES	S3VEM
Silver	Spike	3.7		mg/kg	3.7	*	1.0	YES	S3VEM
Thallium	Spike	10.4		mg/kg	10.4	*	1.0	YES	S3VEM
Vanadium	Spike	86.2		mg/kg	86.2		1.0	YES	S3VEM
Zinc	Spike	114		mg/kg	114		1.0	YES	S3VEM

# Sample Summary Report

Case: 47126

Contract: EPW14030

SDG: MBC8B5

Lab Code: CHM

Sample Number: MBC8C1	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location: P001-SS002	pH:	Sample Date: 07/27/2017	Sample Time: 14:04:00
% Moisture:		% Solids: 93.4	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	0.52	U	mg/kg	0.52	U	1.0	YES	S3VEM

# Sample Summary Report

Case: 47126

Contract: EPW14030

SDG: MBC8B5

Lab Code: CHM

Sample Number: MBC8C1	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: P001-SS002	pH:	Sample Date: 07/27/2017	Sample Time: 14:04:00
% Moisture:	% Solids: 93.4		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.15		mg/kg	0.15		1.0	YES	S3VEM

# Sample Summary Report

Case: 47126

Contract: EPW14030

SDG: MBC8B5

Lab Code: CHM

Sample Number: MBC8C1	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: P001-SS002	pH:	Sample Date: 07/27/2017	Sample Time: 14:04:00
% Moisture:		% Solids: 93.4	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	1830		mg/kg	1830		1.0	YES	S3VEM
Antimony	Target	4.8		mg/kg	4.8		1.0	YES	S3VEM
Arsenic	Target	6.3		mg/kg	6.3		1.0	YES	S3VEM
Barium	Target	25.5		mg/kg	25.5		1.0	YES	S3VEM
Beryllium	Target	0.25	J	mg/kg	0.25	J	1.0	YES	S3VEM
Cadmium	Target	1.1		mg/kg	1.1		1.0	YES	S3VEM
Calcium	Target	14900	J	mg/kg	14900		1.0	YES	S3VEM
Chromium	Target	6.5	J	mg/kg	6.5		1.0	YES	S3VEM
Cobalt	Target	2.0	J	mg/kg	2.0	J	1.0	YES	S3VEM
Copper	Target	138	J	mg/kg	138	*	1.0	YES	S3VEM
Iron	Target	7550		mg/kg	7550	*	1.0	YES	S3VEM
Lead	Target	27.5		mg/kg	27.5		1.0	YES	S3VEM
Magnesium	Target	1610		mg/kg	1610		1.0	YES	S3VEM
Manganese	Target	92.0		mg/kg	92.0	*	1.0	YES	S3VEM
Nickel	Target	6.7		mg/kg	6.7		1.0	YES	S3VEM
Potassium	Target	306	J	mg/kg	306	J	1.0	YES	S3VEM
Selenium	Target	2.7	U	mg/kg	2.7	U	1.0	YES	S3VEM
Silver	Target	0.12	J	mg/kg	0.12	J*	1.0	YES	S3VEM
Sodium	Target	505		mg/kg	505		1.0	YES	S3VEM
Thallium	Target	1.9	U	mg/kg	1.9	U*	1.0	YES	S3VEM
Vanadium	Target	4.5		mg/kg	4.5		1.0	YES	S3VEM
Zinc	Target	56.9		mg/kg	56.9		1.0	YES	S3VEM

# Sample Summary Report

Case: 47126

Contract: EPW14030

SDG: MBC8B5

Lab Code: CHM

Sample Number: PBS002	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	20.0	U	mg/kg	20.0	U	1.0	YES	S3VEM
Antimony	Target	6.0	U	mg/kg	6.0	U	1.0	YES	S3VEM
Arsenic	Target	1.0	U	mg/kg	1.0	U	1.0	YES	S3VEM
Barium	Target	20.0	U	mg/kg	20.0	U	1.0	YES	S3VEM
Beryllium	Target	0.50	U	mg/kg	0.50	U	1.0	YES	S3VEM
Cadmium	Target	0.50	U	mg/kg	0.50	U	1.0	YES	S3VEM
Calcium	Target	500	U	mg/kg	500	U	1.0	YES	S3VEM
Chromium	Target	1.0	U	mg/kg	1.0	U	1.0	YES	S3VEM
Cobalt	Target	5.0	U	mg/kg	5.0	U	1.0	YES	S3VEM
Copper	Target	2.5	U	mg/kg	2.5	U	1.0	YES	S3VEM
Iron	Target	10.0	U	mg/kg	10.0	U	1.0	YES	S3VEM
Lead	Target	1.0	U	mg/kg	1.0	U	1.0	YES	S3VEM
Magnesium	Target	500	U	mg/kg	500	U	1.0	YES	S3VEM
Manganese	Target	1.5	U	mg/kg	1.5	U	1.0	YES	S3VEM
Nickel	Target	4.0	U	mg/kg	4.0	U	1.0	YES	S3VEM
Potassium	Target	500	U	mg/kg	500	U	1.0	YES	S3VEM
Selenium	Target	3.5	U	mg/kg	3.5	U	1.0	YES	S3VEM
Silver	Target	1.0	U	mg/kg	1.0	U	1.0	YES	S3VEM
Sodium	Target	500	U	mg/kg	500	U	1.0	YES	S3VEM
Thallium	Target	2.5	U	mg/kg	2.5	U	1.0	YES	S3VEM
Vanadium	Target	5.0	U	mg/kg	5.0	U	1.0	YES	S3VEM
Zinc	Target	6.0	U	mg/kg	6.0	U	1.0	YES	S3VEM

# Sample Summary Report

Case: 47126

Contract: EPW14030

SDG: MBC8B5

Lab Code: CHM

Sample Number: PBS004	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	-0.0059	J	mg/kg	-0.0059	J	1.0	YES	S3VEM

# Sample Summary Report

Case: 47126

Contract: EPW14030

SDG: MBC8B5

Lab Code: CHM

Sample Number: PBS006	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	-0.076	J	mg/kg	-0.076	J	1.0	YES	S3VEM

# Sample Summary Report

Case: 47126

Contract: EPW14030

SDG: MBC8B5

Lab Code: CHM